

DINESH S. REDDY

EDUCATION

Ph.D. The University of Texas at San Antonio. 2017

Major: Information Systems and Cybersecurity (3.8 / 4)

Dissertation: Exploring Factors Influencing Self-efficacy in Information Security: An Empirical Analysis by Integrating Multiple Theoretical Perspectives in the Context of Using Protective Information Technologies.

Chairperson: Dr. Glenn Dietrich (Ph.D., CISSP)

M.Tech International Institute of Information Technology (IIIT), Bangalore. 2007

Major: Information Technology (3.3 / 4)

B.E. Sri Jayachamarajendra College of Engineering, Mysore. 2001

Major: Electrical and Electronics (74%)

PROFESSIONAL EXPERIENCE

(Overall 18 years: 10 years in IT Industry and 8 years in Academics)

Texas A&M University Central Texas (College of Business Administration) Jun 2018 – Till date

- Assistant Professor, Information Systems & Cybersecurity
 - Developed and taught several undergraduate and graduate level courses in information systems and cybersecurity.
 - Awarded “**Educator of the Year**” for most embodying the teaching related aspects of our college’s mission (Students’ ratings for my courses are consistently higher than department, college, and university averages)
 - Conducted discipline specific research in cybersecurity education and presented research at various conferences. Published research at various venues.
 - Actively engaged and provided academic service towards student advising, departmental, college, and university committees.

University of Colorado, Denver (Business School)

Aug 2017 – Jul 2018

- Instructor, Information Systems & Cybersecurity
 - Developed and taught 3 graduate level courses in fall 2017 (Introduction to voice and data security, Analysis modeling and design, and Protecting the enterprise)
 - Assigned to teach 3 courses (Face-to-face, Online, Hybrid) in spring 2018 (Securing information assets, Protecting information assets, Designing for the web)
 - Represented UC Denver in proposed cybersecurity research consortium organized by University of Colorado at Colorado Springs’s ‘National Cybersecurity Center’.

- Initiative on setting up a 'Center of Academic Excellence (CAE) in cybersecurity, including cybersecurity curriculum/lab development based on NSA knowledge units.
- Presentation on cybersecurity to Cherry Creek ISD K-12 students (Spring 2018)
- Provided academic service towards departmental and college committees.

The University of Texas at San Antonio, (College of Business)

Sep 2013 – Aug 2017

- Research Assistant, Information Systems & Cybersecurity
 - Increased research productivity with conference publications.
 - Designed in-class exercises, lab work, case studies for five courses that conform to learn-by-doing approach. Taught five different IS courses as Instructor (*Highest rating 4.85/5*).
 - Supervised, interviewed, tutored and offered career advice to undergraduate students.
 - Worked closely with IT department to acquire student software, course equipment.
 - Offered service to department by organizing colloquiums, proctoring exams, reviewing.
 - Involved with search committee by giving feedback on faculty candidate presentations.
 - Audited cybersecurity and IS courses that help with faculty teaching & research.
 - Prepared materials for submission to granting agencies & foundations (NSF).

MSys Technologies Pvt Ltd, Chennai. Reported to Atlanta (GA), Sunnyvale (CA) Feb 2013-Jul '13

- Senior QA Manager
 - Managed a 12-member team working on three onsite projects from USA client 'Panasas'. Projects involve data storage, availability using clustering.
 - Managed the effort to design, implement, execute & maintain test plans, test strategies for storage and security testing tasks & initiatives, successful product releases.
 - Lead the automation strategy for developing and executing automated test scripts.
 - Analyzed quality metrics/trends, summarized findings & presented to top management.
 - Collaborated effectively across functional organizations and across management levels to deliver the test results ahead of schedule.
 - Partnered with cross-team Dev and QA managers to implement quality initiatives and new projects based on Big data, Hadoop programming and cloud based applications.

Hewlett Packard (HP) India Software Operations Pvt Ltd, Bangalore

Aug 2010-Nov 2012

- Technology Consultant (SQE3)
 - Project 1. Polyserve CPE:** Supervised a team of 10. Successfully handled testing activities of PolyServe, a highly available file system to provide a "shared-everything" clustering solution that supports concurrent reads and writes from multiple hosts using centralized storage.
 - My effective management resulted in work on critical customer escalations and timely patch releases to customers, hence ensuring business continuity.
 - Interfaced with top Management to conduct project management reviews (PMR), which helped me in addressing risks and issues. Cleared all hurdles faced by team.
 - Responsible for planning, estimating, scheduling, tracking, reporting testing activities.

- Effectively applied people management skills like motivating, organizing, controlling, career planning, rewarding, appraisals, hiring & team building. Achieved least attrition.
- Implemented SQA processes. Analyzed quality metrics that helped in constantly improving the processes through reviews and eliminated performance bottlenecks.
- Maintained build infrastructure, engineering web pages, compatibility guide, SVN.
- Taught storage concepts to engineers & reduced ramp-up time, increased productivity.

Project 2. IBRIX cloud based parallel file system: Successfully lead transition efforts from PolyServe to IBRIX. Features include an integrated volume manager, high availability, multi-component automatic failover, remote replication and a centralized management interface. It supports **BIG DATA**, fast access to data-intensive apps, dynamic segment migration

- Co-ordinated activities of cross-functional teams with Biz-IT team & maintained systems.
- Successfully reduced power consumption of data center by 25% with DCPC tool.
- Saved cost by Optimizing hardware utilization using MRT by analyzing usage pattern.
- Implemented storage consolidation across data center for effective storage allocation.
- Completed Lab risk migration with firewall for all teams and ensured lab security.
- Created and tested a disaster recovery plan for computer systems.

Project 3. Developed test automation to certify and release for independent service vendors (ISV) such as NetBackup, Symantec and EV.

- Involved in designing & building the framework. Coded and tested scripts using Python.
- Team used my framework to implement automation strategy.

EMC² Data Storage Systems India Pvt Ltd, Bangalore

Jan 2007-Aug 2010

- Software Quality Engineer

Project 1. EMC[®] NetWorker[®] is a high-capacity data storage solution that protects and manages enterprise data across an entire network, using backup and restore.

Project 2. PowerSnap[®] integrates snapshot technology into NetWorker[®].

Project 3. Database Modules integrate data protection procedures of databases such as Oracle (NMO), SAP (NMSAP), SQL (NMSQL), Sybase (NMS) into NetWorker[®] & PowerSnap[®].

Project 4 NetWorker Fast Start simplifies licensing, installation, & configuration for SME's. It prepackages components to backup applications such as Exchange, SQL Server, & Oracle.

- Lead a team of six. Responsible for planning, status tracking and reporting most test activities. Successfully delivered multiple test cycles and releases with highest quality.
- Built test setups, executed functional, C&I, performance, security & Regression testing.
- Attended defect triage meetings, reproduced, validated, & verified defects.
- Authored and reviewed documents such as QA Test plan, TDS, test cases, test data.
- Maintained a set of automation scripts and executed them on UNIX setups.
- Worked on customer escalations & ramped up new employees on product, processes.

CBay Systems India Pvt Ltd, Bangalore

May 2004-Jul 2005

- Software Testing Engineer

CBay Scribe & CBay Flo are in-house medical transcription & Healthcare IT web apps.

- Tested functionality, server response, reliability, content, accuracy & consistency of web applications under simulated and real environments. Also tested change requests.
- Involved in reporting, tracking, reviewing and verifying software bugs.
- Successfully deployed apps at client site, handled escalations, & trained new employees.

Reliance InfoStreams Pvt Ltd, Mumbai

Sep 2001-May 2004

- **Application Test Engineer**

PMS is an application used to monitor contact center employee's performance metrics. Involved in Application installation, configuration, testing and support.

- Developed & executed test cases for change requests. Reported & verified defects.
- Successfully deployed, upgraded, maintained applications at Reliance Infocomm.

PEER-REVIEWED PROCEEDINGS & JOURNAL PUBLICATIONS

1. Reddy D., Dietrich G. (2020). A Skills Based Approach to Tackle Failure of Cybersecurity Awareness Programs in Organizations (Proceedings of AMCIS 2020)
2. Reddy D., Dietrich G. (2019). Unlocking the Mixed Results of the Effect of Self-Efficacy in Information Security on Compliance (Proceedings of AMCIS 2019)
3. Reddy D., Khuntia J., Khathuria A., Permwonguswa S. (2017). Medical Practitioners' Perception of Satisfaction with Cybersecurity Strategy (Proceedings of ICIS SIGSEC WISP 2017)
4. Reddy D., Dietrich G. (2017). Why are Protective Information Technologies not Effective? A Closer Look at IT and Security Alignment. (Proceedings of ICIS SIGSEC WISP 2017)
5. Reddy D. (2017) Theory Development on Factors Influencing Self-efficacy in Information Security (Proceedings of ACM SIGMIS CPR 2017)
6. Reddy D., Dietrich G. (2017). Is Self-efficacy in Information Security Better Modeled as a Predictor Variable or a Mediator Variable to Increase Compliance? (Proceedings of AMCIS 2017)
7. Reddy D., Rao V., Dietrich G. (2017). Cybersecurity Training and the End-User: Pathways to Compliance (Proceedings of CISSE 2017. Best Student cyber paper of the year)
8. Reddy D., Dietrich G. (2016). Identifying Multiple Categories of Cybersecurity Skills that Affect User Acceptance of Protective Information Technologies. (Proceedings of AMCIS 2016)
9. Reddy D., Rao V. (2016). Cybersecurity Skills: The Moderating Role in the Relationship between Cybersecurity Awareness and Compliance. (Proceedings of AMCIS 2016)
10. Reddy D., Dietrich G. Antecedent Influences on Self-efficacy in Information Security - A Theoretical Perspective.
– Publication process in Journal of Association for Information Systems.

11. Reddy D., Dietrich G. Developing and Validating the Scale for Self-efficacy in Information Security and its Antecedents
– [Publication process in Computers and Security.](#)
12. Reddy D., Rao V., Dietrich G. Cybersecurity Training and the End-User: Pathways to Compliance.
– [Publication process in Communications of the Association for Information Systems.](#)
13. Reddy D., Dietrich G. Identifying Multiple Categories of Cybersecurity Skills that Affect User Acceptance of Protective Information Technologies.
– [Publication process in Computers in Human Behavior.](#)
14. Reddy D., Dietrich G., Rao V., Warren J., Dykes J. An Empirical Analysis of Factors Influencing Self-efficacy in Information Security in the Context of Using Protective Information Technologies.
– [Publication process in International Journal of Information Management \(IJIM\).](#)
15. Reddy D., Dietrich G. Is Self-efficacy in Information Security Better Modeled as a Predictor Variable or a Mediator Variable to Increase Compliance?
– [Publication process in Behavior and Information Technology.](#)
16. Reddy D., Dietrich G. Unlocking the Mixed Results of the Effect of Self-Efficacy in Information Security on Compliance.
– [Publication process in Information Systems Frontiers.](#)
17. Reddy, D., Dietrich, G., Rao, V. Self-Efficacy Studies Applicable to Multiple Aspects of Cybersecurity: A Systematic Review of IS Literature.
– [Publication process in Journal of Computer Information Systems.](#)
18. Reddy D., Khuntia J. Medical Practitioners' Perception of Satisfaction with Cybersecurity Strategy: An integration of multiple theoretical perspectives.
– [Publication process in Australasian Journal of Information Systems.](#)

PEER-REVIEWED CONFERENCE & WORKSHOP PRESENTATIONS

1. Reddy D., Dietrich G. (2020). A Skills Based Approach to Tackle Failure of Cybersecurity Awareness Programs in Organizations ([AMCIS 2020, Virtual](#))
2. Reddy D., Dietrich G. (2019). Unlocking the Mixed Results of the Effect of Self-Efficacy in Information Security on Compliance ([AMCIS 2019, Cancun](#))
3. Reddy D. (2018) Exploring Factors Influencing Self-efficacy in Information Security in the Context of Protective Information Technologies – An Empirical Study ([Doctoral consortium at HICSS 2018, Hawaii](#))
4. Reddy D., Khuntia J., Khathuria A., Permwonguswa S. (2017). Medical Practitioners' Perception of Satisfaction with Cybersecurity Strategy ([ICIS SIGSEC WISP, Dec 2017, Seoul](#))

5. Reddy D., Dietrich G. (2017). Why are Protective Information Technologies not Effective? A Closer Look at IT and Security Alignment. (ICIS SIGSEC WISP, Dec 2017, Seoul)
6. Reddy D. (2017) Theory Development on Factors Influencing Self-efficacy in Information Security (Doctoral consortium at ACM SIGMIS CPR 2017, Bengaluru)
7. Reddy D., Dietrich G. (2017). Is Self-efficacy in Information Security Better Modeled as a Predictor Variable or a Mediator Variable to Increase Compliance? (AMCIS, Aug 2017, Boston MA)
8. Reddy D., Rao V., Dietrich G. (2017). Cybersecurity Training and the End-User: Pathways to Compliance (CISSE-2017, Las Vegas NV. Best Student cyber paper of the year)
9. Reddy D., Dietrich G. (2016). Identifying Multiple Categories of Cybersecurity Skills that Affect User Acceptance of Protective Information Technologies. (AMCIS Aug 2016, San Diego CA)
10. Reddy D., Rao V. (2016). Cybersecurity Skills: The Moderating Role in the Relationship between Cybersecurity Awareness and Compliance. (AMCIS Aug 2016, San Diego CA)

OTHER RESEARCH PAPERS

1. *Reddy, D.* Building a Taxonomy of Cybersecurity Skills Relevant to Situation Centric Cyber-attacks. (Research in progress)
2. *Reddy, D., Rao, V.* Can Personality Traits Moderate the Increase in Self-efficacy in Information Security? Implications for cybersecurity skills development. (Research in progress)
3. *Reddy D., Warren J.* Identifying False Reviews on Physician Websites: Content Analysis Method. (Research in progress)

AWARDS GRANTS AND SCHOLARSHIPS

1. **“Educator of the Year”** award in College of Business, Texas A&M University CT Jul 2020
2. CyberWatchWest awarded travel grant to attend 23rd annual CISSE – Las Vegas, NV. Jun 2019
3. **“Erich Spangler Student Cyber Paper of the Year”** award & grant to attend 21th annual CISSE (The colloquium for Information Security Education) - Las Vegas, NV. Jun 2017
4. ACM SIGMIS 2017 travel grant to attend doctoral consortium & present dissertation Jun 2017
5. Department of Cybersecurity grant for attending ACM SIGMIS CPR. Jun 2017
6. **Federal NSF** awarded travel grant to attend 20th annual CISSE – Philadelphia, PA. Jun 2016
7. AIS conference grant for ICIS registration – Dublin. Ireland. Dec 2016
8. AIS conference grant for AMCIS registration – San Diego, CA. Aug 2016
9. Department of cybersecurity conference grant for AMCIS – San Diego, CA. Aug 2016
10. AIS conference grant for ICIS registration – Fort Worth, TX. Dec 2015

11. UTSA College of Business scholarship and financial Aid for 4 years.

2013-2017

RESEARCH POSTER PRESENTATIONS

1. AMCIS - Boston, MA Aug 2017
Is Self-Efficacy in Information Security Better Modeled as a Predictor Variable or a Mediator Variable to Increase Compliance.
2. College of Sciences Conference at UTSA, San Antonio, TX Oct 2016
Cybersecurity Skills: The Moderating Role in the Relationship between Cyber Awareness and Compliance.
3. AMCIS - San Diego, CA Aug 2016
Identifying Multiple Categories of Cybersecurity Skills that Affect User Acceptance of Protective IT.
4. AMCIS - SanDiego, CA Aug 2016
Cybersecurity Skills: The Moderating Role in the Relationship between Cyber Awareness and Compliance.
5. CISSE - Philadelphia, PA Jun 2016
Cybersecurity Training and the End-User: Pathways to Compliance.
6. College of Sciences Conference at UTSA, San Antonio, TX Oct 2015
Influence of Cybersecurity Skills on User Acceptance of Protective Information Technologies.

COURSE DEVELOPMENT AND TEACHING EXPERIENCE

1. CIS 4348 Security Trends (Ethical Hacking) and Malware Analysis (TAMUCT, 2020 – Till Date)
2. CIS 5304 Data Communications for Manager (TAMUCT, 2020 – Till Date)
3. CIS 5307 Advanced Systems Analysis and Design (TAMUCT, 2019 – Till Date)
4. CIS 4376 Network Administration (TAMUCT, 2019 – Till Date)
5. CIS 5376 Network Administration and Design (TAMUCT, 2019 – Till Date)
6. CIS 3361 Introduction to Computer Forensics (TAMUCT, 2019 – Till Date)
7. CIS 3365 Systems Analysis and Design (TAMUCT, 2018 – Till Date)
8. CIS 4350 Management Information Systems (TAMUCT, 2018 – Till Date)
9. CIS 3347 Data Communications and Infrastructure (TAMUCT, 2018 – Till Date)
10. CIS 3348 Networking Architecture (TAMUCT, 2018 – Till Date)
11. ISMG 6865 Digital Forensics part 1 (UC Denver, Summer 2018)
12. ISMG 6870 Securing Information Assets (UC Denver, Spring 2018)
13. ISMG 6875 Protecting Information Assets (UC Denver, Spring 2018)
14. ISMG 2800 Designing for the Web (UC Denver, Spring 2018)
15. ISMG 6860 Introduction to Voice and Data Security (UC Denver, Fall 2017)
16. ISMG 6855 Protecting the Enterprise (UC Denver, Fall 2017)

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| 17. ISMG 6060 Analysis, Modeling, and Design | (UC Denver, Fall 2017) |
| 18. IS2043 Object Oriented Programming in JAVA. | (UTSA, Spring 2017) |
| 19. IS2041 Intermediate Object Oriented (JAVA) programming Lab. | (UTSA, Spring/Fall 2016) |
| 20. IS2031 Introduction to Programming Concepts Lab. | (UTSA, Spring 2016) |
| 21. IS4053 Systems Analysis and Design. | (UTSA, Fall 2015) |
| 22. IS3003 Fundamentals of Information Systems for Management. | (UTSA, Spring 2015) |

TEACHING AND RESEARCH INTERESTS

1. Cybersecurity

- Information Assurance and Security
Text: Principles of Computer Security 4th edition, Conklin, White, Cothren, Williams, and Davis, McGraw.
- Intrusion Detection and Incident Response
Text: Incident Response and Computer Forensics, Mandia, Kevin, Proise, Chris, Matt McGraw Hill, 2014
- Introduction to Telecommunications for Business
Text: Business Data Communications and Networking (Twelfth Edition), Fitzgerald, Dennis & Durcikova.
- Operating Systems Security
Text: Jang, M. and R. Messier. 2015. Security Strategies in Linux Platforms and Applications, 2nd Edition.
- Introduction to Voice and Data Security
Text: Computer Security Handbook, 4ed, by Bosworth and Kabay
- Digital Forensic Analysis I (Intro to computer forensics)
Text: Carrier, Brian, File System Forensic Analysis, Addison-Wesley, 2005, pgs 569.
- Digital Forensic Analysis II (Advanced)
Text: Carvey, Harlan (2014) Windows Forensic Analysis, 4th Edition, Syngress
- Network Security
Text: Corporate Computer Security (Fourth Edition), 2015. Boyle, R. J. & Panko, R. R. Pearson Education
- Security Risk Analysis
Text: Hacking Exposed, 4th Edition, by McClure, Scambray, and Kurtz. McGraw Hill publisher, 2003.
- SCADA (Cyber Physical Systems)
Text: William T. Shaw. *Cybersecurity of SCADA Systems*, Published by PennWell
- Policies for Information and Infrastructure Assurance
Text: Security Program and Policies: Principles and Practices, 2nd Edition, by Sari Greene
- Malware Agent Analysis
Text: Sikorski, Michael, Honig, Andrew. Practical Malware Analysis: Dissecting Malicious Software (2012).
- Cyber Attack and Defense
The Hacker Playbook 2: Practical Guide To Penetration Testing, by Peter Kim
- Secure software development, Security Testing and Web Application Security

2. Data Analytics, Databases, Programming, IT, Cloud Computing

- Data Analytics/Advanced Statistical Learning using R.
Text: An Introduction to Statistical Learning with Applications in R.” by James, Witten, Hastie, Tibshirani.
- Introduction to Data Mining
Text: Data Mining Techniques for Customer Relationship Management, by Linoff, Berry, 3rd ed, Wiley.
- Multivariate/Statistical Methods for Business Analysis
Text: Hair, Black, Babin, Anderson (2010). Multivariate Data Analysis. Upper Saddle River: Prentice Hall.
- Introduction to Business Analytics
Text: Applied Regression Modeling: A Business Approach by Iain Pardoe (2006) from Wiley & Sons.
- Application Development
Text: Python for Data Analysis, O’Reilly
- Mobile Application Development
- Database Management for Information Systems
Text: Essentials of Database Management, Jeffrey A. Hoffer, Heikki Topi, Ramesh Venkataraman
- Advanced Database Concepts
Text: Database Systems: Design, Implementation, and Management by Coronel, Morris, Cengage; 11e
- Data Foundations
Text: Data Mining: The Textbook by Charu C. Aggarwal
- Information Technology (Emphasis on infrastructure)
- Cloud (distributed) infrastructure computing and management

PROFESSIONAL SERVICE

University level service

- Served as member of University Technology Advisory Council (UTAC) Committee (Aug 2019 – Till date)
As a committee member, I attended all scheduled meetings this year and participated by providing feedback on topics discussed in the meeting. Kept track of issues raised by me to completion.

College & Department level service

- Involved in meetings related to student development, preparation, & success for internships in association with Temple Chamber of Commerce (Nov 2020 – Till date)
- Served as Co-Chair in UG Curriculum Assessments Committee for four Computer Information Systems (CIS) degree programs: BBA-CIS, BS-CIS, BS-CS, ,BAAS-IT (Aug 2019 – Till date)
 - Collected curriculum assessment related data, analyzed the data, consulted faculty, and provided recommendations for course improvements in all four CIS programs.

- Served as student advisor for BBA-CIS (Bachelors of Business Administration – Computer Information Systems) and BS-CIS (Bachelors of Science – Computer Information Systems) undergraduate degree programs. Advised on career options and course allocation each semester based on degree progress in Degreeworks. (Aug 2019 – Till date)

Manuscript Reviewer for Journals

- The Influence of Individual Decision Styles on Antecedents of Cybersecurity Compliance Behavior: An Exploratory Model (International Journal of Information Management (IJIM), 2019)
- "Context" in Healthcare Information Technology Resistance: A Systematic Review of Extant Literature and Agenda for Future Research (International Journal of Information Management (IJIM), 2019)

Manuscript Reviewer for Conferences

- Insure vs Existing Modalities for BYOD Security Assessment: A Comparison Study (AMCIS 2020).
- Effects of Firm's Vulnerability Resolution Experience on Firm's Performance (AMCIS 2020).
- Commercial Drones: Peeping Tom or Precision Operator? A Governance, Risk and Compliance Framework for a Secure Drone Eco-system (AMCIS 2020).
- Simulating Temporal Dynamics in Cryptocurrency Software Social Networks (AMCIS 2019).
- MDP-Based Algorithms and Explanation-Based Trust for Cybersecurity Detection (ICIS SIGSEC 2017).
- Managing security in organizations: Adoption of information security solutions (ACM SIGMIS CPR 2017).
- The Impact of Procedural Security Countermeasures on Employee Security Behavior: A Qualitative Study (ICIS SIGSEC 2016).
- Phishing Training: A Preliminary Look at the Effects of Different Types of Training blinded (ICIS SIGSEC 2017).
- Priming Security Behavior: A Study Based on Self-Concept Maintenance Theory (AMCIS 2016).

Doctoral Student Volunteer at Various Conferences

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| • Americas Conference on Information Systems (AMCIS), Boston, MA | Aug 2017 |
| • International Conference on Information Systems (ICIS), Dublin, Ireland | Dec 2016 |
| • Americas Conference on Information Systems (AMCIS), San Diego, CA | Aug 2016 |
| • International Conference on Information Systems (ICIS), Fort Worth, TX | Dec 2015 |

Other

- Presentation on cybersecurity to Cherry Creek ISD K-12 students (Spring 2018)

CONFERENCES ATTENDED (PROFESSIONAL GATHERINGS & DEVELOPMENT)

- AMCIS, (Virtual) as presenter of one research paper. Aug 2021
- PACIS, (Virtual) as attendee. Jul 2021
- ECIS, (Virtual) as attendee. Jun 2021
- SUSTEX Summit, (Virtual) as attendee. Apr 2021
- AMCIS, (Virtual) as presenter of one research paper. Aug 2020
- PACIS, (Virtual) as attendee. Jun 2020
- ECIS, (Virtual) as attendee. Jun 2020
- National Initiative for Cybersecurity Education (NICE) as attendee Nov 2019
- AMCIS, Cancun, Mexico as presenter of one research paper. Aug 2019
- CISSE, Las Vegas, NV as professional reporter to CyberWatchWest. Jun 2019
- MWCC, Denver, CO as attendee Apr 2018
- HICSS, Hawaii as presenter in doctoral consortium. Jan 2018
- ICIS, Seoul, South Korea as presenter of two research papers. Dec 2017
- AMCIS, Boston, MA as a presenter and doctoral student volunteer. Aug 2017
- CISSE, Las Vegas, NV as a best student cyber paper of the year presenter. Jun 2017
- ICIS, Dublin, as doctoral student volunteer. Dec 2016
- Alamo Ace conference, San Antonio, TX as attendee. Dec 2016
- College of sciences conference at UTSA, San Antonio, TX as poster presenter. Oct 2016
- AMCIS, San Diego, CA as a presenter and doctoral student volunteer. Aug 2016
- CISSE, Philadelphia, PA as a research poster presenter. Jun 2016
- ICIS, Fort Worth, TX as a doctoral student volunteer. Dec 2015
- Alamo Ace conference, San Antonio, TX as attendee. Nov 2015
- College of sciences conference at UTSA, San Antonio, TX as poster presenter. Oct 2015
- Alamo Ace conference, San Antonio, TX as attendee. Nov 2014

TECHNICAL SKILLS SUMMARY

Data Storage Strategies:

- EMC Symmetrix DMX, EMC Clariion, IBM Tivoli Storage Manager (IBM TSM), servers, switches, SAN, NAS, DAS, iSCSI, Fibre Channel, Zoning, Object storage (EMC Elastic cloud storage), High speed interconnects, Data migration, SMB, RAID, Thin provisioning, storage hierarchies, VM.

File Systems:

- Distributed file systems such as Network file systems (NFS), Hadoop distributed file system (HDFS), and Lustre vs Panasas Storage, Parallel file systems (GPFS, PVFS), Clustered file system (CFS), Global file systems 2 (GFS2), Common Internet File System (CIFS), Disk files systems such as Journaled File System (JFS), Veritas file system (VxFS), FAT, NTFS, and ext, Database file systems such as IBM DB2.

Storage Tools:

- HP Command View EVA, IBM Netcool, Samba, Top, NetStat, VmStat, iostat, pmap, nmon, Vmware, ESX(i),

Security Strategies:

- Software Security, Mobile Application Security, Cloud Application/data center Security, (Openstack, AzureStack), Virtualization Security, Reverse Engineering, Malware Analysis, Security of IoT, Cyber Physical Systems (SCADA), Firewall security, UAV Security, Operating systems Security, Network security, Embedded hardware design for cybersecurity, Promoting cybersecurity research, education and outreach activities, Security risk analysis/ management, Human factors of cybersecurity, Computer and mobile forensics, Penetration testing, Information assurance, Ethical hacking, IS audit, Policies, Business Continuity and Disaster Recovery, Encryption, Steganography, Cryptography.

Security Tools:

- NMap, Logwatch, Swatch, Darkstat, ZFS (Data integrity), FreeNAS (with encryption), Wireshark, Snort (WinSnort), ACID, tcpdump, Windump, ntop, OpenSSH/putTY, traceroute, SysInternals, MD5, SHA, Cain, HFNetCheck, DumpSec, OpenVAS(Nessus), MBSA, EMET, Kerberos, PGP, VOMIT, Whisker, Share sniffer, SuperScan, SnifferPro, NetXRay, FTK, Encase, P2 Commander, Cisco Packet Tracer.

Software Testing Strategies:

- Acceptance, Functional, Sanity, C&I, Performance, GUI, Security, Penetration, Regression. Defect validation and verification. Maintaining build infrastructure, configuration management and patch release. SDLC, STLC, quality standards, RCA.

Software Testing Tools:

- Functional (QTP, Selenium), Non-Functional (LoadRunner, JMeter), SVN, Quality Center, starwind, cygwin, bugzilla, sharepoint, Rational Clear Quest, Humming bird, WinSCP, Vnc, WST.

Programming: Java, C, C++, Python (Anaconda), Perl, Dr.Java, Eclipse, Spyder IDE.

Databases: SQL Server, Oracle, MySQL, Visio, SQL, Access, SQL Developer, SQL Data Modeler, NoSQL.

Operating Systems: Multiple versions of Windows, Linux, Solaris, HP-UX, AIX.

Statistical Tools: SPSS 3.0, AMOS, SmartPLS 3, HLM, Eventus, R, SAS Miner, XLMiner.

Cloud: Amazon web services (AWS), Google cloud, Azure, Openstack.

Scripting Tools: python, perl, php, bash, ksh, grep, sed, awk.

System Tools: cron, snmp, nagios, syslog, expect

Web Application: HTTP, HTTPs (server security), HTML, DHTML, XHTML, XML, Javascript, Servlets, PHP, FTP, GridFTP (with Grid Security Infrastructure), Apache server.

Online Learning: BlackBoard Learn, Canvas, Zoom lecture recording.

MANAGEMENT SKILLS SUMMARY

- Experienced in managing result oriented test teams and project ownership to ensure business continuity.
- Skilled in scoping, planning, risk analysis, estimating, scheduling, tracking, reporting the test activities.
- People management and leadership skills like motivating, organizing, monitoring, controlling, negotiating, career planning, rewarding, appraisals, hiring and team building.
- Capable of optimizing test cycles, cost and delivery schedule with right strategy, approach, test techniques, methodologies, defect tracking, reviewing test artifacts and technical guidance.
- Eliminating performance bottlenecks by analyzing quality metrics, implementing relevant SQA processes.
- Good at promoting flexible attitude, positive atmosphere in teamwork by proactively identifying and resolving issues; Handle pressure on conflict resolution; Cross team co-ordination at organization level; Deliver outstanding customer service.

CERTIFICATIONS

- Information Storage and Management from EMC.
- EMC Implementation Engineer in Information Backup and Recover.
- Business English Communication from Cambridge University.

SYNERGISTIC ACTIVITIES

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| • HP employee of the month award for going extra mile in fixing critical issues. | Feb 2012 |
| • HP Star performer award. | Apr 2011 |
| • HP eAward (E001011206) for outstanding efforts and commitment to work. | Dec 2010 |
| • EMC Go-To-Market-Team award for NetWorker Fast Start project. | Jan 2009 |
| • EMC Platinum Star Award for the NetWorker Fast Start project. | Jul 2008 |
| • Reliance Top Performer Awards. | Jul 2003 |
| • ITI award for scoring highest marks in Kannada in SSLC. | Nov 1995 |
| • Vijaya High School award for highest marks in language subject in SSLC. | Jun 1995 |
| • Sports and Cultural events awards in Vijaya High School. | 1994-95 |

- Top 10% scorer in the XXV Interstate talent tests in Mathematics. Jan 1994
- Certificate award (JFA1635921) in First Aid Junior level by St. John's. Aug 1991

OTHER ACTIVITIES

- Conference attendee - "Microsoft Academic Day" at PESIT, Bangalore. Mar 2006
- Conference attendee - "Techvista 2006" organized by Microsoft, Bangalore. Jan 2006
- Conference attendee - Techfest "Osmosis" organized MindTree, Bangalore. Dec 2005
- Industrial Training in Central Power Research Institute (CPRI), Bangalore. Mar-Apr 2000
- Industrial Training in New Government Electric Factory (NGEF), Bangalore. Aug-Sep 1999

PROFESSIONAL ASSOCIATIONS

- National Cybersecurity Training & Education Center (NCyTE) (Formerly CyberWatchWest. Member since 2019.
- Colloquium for Information Systems Security Education (CISSE). Member since 2016.
- Association of Information Systems (AIS). Member since 2015.

MEDIA APPEARANCES

- "Educator of the Year" award in College of Business, Texas A&M University CT appeared in college of business administration website (Media type: Internet)
<https://www.tamuct.edu/coba/>
- Educating Soldiers for the Cybersecurity War (Media type: Internet)
<https://business-news.ucdenver.edu/2018/04/19/educating-soldiers-cybersecurity-war/>