LAVANYA ELLURI

elluri@tamuct.edu • www.linkedin.com/in/lavanyae

Assistant Professor, Dept. of Computer Information Systems,
Texas A&M University – Central Texas, 1001 Leadership Pl, Killeen, TX 76549

Research Areas: Data Privacy and Security, Semantic Web, Text Mining, Cloud Computing, Cybersecurity, and Smart Health.

CURRENT POSITION

Assistant Professor   *August 2022 - Present*
Department of Computer Information Systems
Texas A&M University-Central Texas   Killen, TX

EDUCATION

Ph.D. in Information Systems   *2018 - 2022*
University of Maryland Baltimore County
(*GPA: 3.9/4.0*)

Master's in Management Information Systems   *2013 - 2014*
University of Houston Clear Lake
(*GPA: 3.8/4.0*)

B.Tech. in Electronics and Communications Engineering   *2006 - 2010*
JNTU Hyderabad, India

PUBLICATIONS

Journals

1. **Elluri, Lavanya**, Aritran Piplai, Anantaa Kotal, Anupam Joshi, and Karuna Pande Joshi. "A policy-driven approach to Secure Extraction of COVID-19 data from Research Papers." Frontiers in Big Data: 68.

2. Joshi, Karuna Pande, **Lavanya Elluri**, and Ankur Nagar. "An Integrated Knowledge Graph to Automate Cloud Data Compliance." IEEE Access 8 (2020).

3. **Elluri, Lavanya**, et al. "A BERT Based Approach to Measure Web Services Policies Compliance With GDPR." IEEE Access 9 (2021): 148004-148016.

Conferences

4. **Elluri, Lavanya**, Ankur Nagar, and Karuna Pande Joshi. "An integrated knowledge graph to automate gdpr and pci dss compliance." 2018 IEEE International Conference on Big Data (Big Data).

5. **Elluri, Lavanya**, and Karuna Pande Joshi. "A knowledge representation of cloud data controls for eu gdpr compliance." 2018 IEEE World Congress on Services (SERVICES). IEEE, 2018.

6. **Elluri, Lavanya**, Varun Mandalapu, and Nirmalya Roy. "Developing Machine Learning Based Predictive Models for Smart Policing." 2019 IEEE International Conference oxn Smart Computing (SMARTCOMP). IEEE, 2019.

7. **Elluri, Lavanya**, Karuna Pande Joshi, and Anantaa Kotal. "Measuring Semantic Similarity across EU GDPR Regulation and Cloud Privacy Policies." 2020 IEEE International Conference on Big Data (Big Data). IEEE, 2020.

8. Nagar, Ankur, **Lavanya Elluri**, and Karuna Pande Joshi. "Automated Compliance of Mobile Wallet Payments for Cloud Services." 7th IEEE International Conference on Big Data Security on Cloud (BigDataSecurity 2021).

9. Dixit, Sharad, Karuna Pande Joshi, Seung Goel Choi, and Lavanya Elluri. "Semantically Rich Access Control in Cloud EHR Systems Based on MA-ABE." In 8th IEEE International Conference on Big Data Security on Cloud (BigDataSecurity 2022). IEEE, 2022.

Ph.D. Dissertation

10. Lavanya Elluri. "A Semantically Rich Framework can Enable Real-time Knowledge Extraction and Classification from Short Length Semi-Structured Documents" (2021) (Ph.D. Dissertation, Advisor: Dr. Karuna Pande Joshi, UMBC.)

Posters

11. Elluri, Lavanya, and Karuna Pande Joshi. "A knowledge representation of cloud data controls for EU GDPR compliance." 2018 IEEE World Congress on Services (SERVICES). IEEE, 2018.

EXPERIENCE

Graduate Research Assistant *Jan 2018 – May 2022*
Department of Information Systems
University of Maryland Baltimore County

Senior Database Engineer *Jan 2015 – Aug 2022*
REI Systems, Inc.

Teaching Assistant *Jan 2014 - Dec 2014*
Database Systems Lab, University of Houston Clear Lake

Systems Engineer *Mar 2011 - Jun 2013*
Infosys, India.

MENTORSHIP

Masters Students

1. Ankur Nagar (UMBC, Fall 2018)
2. Abhishek Mahindrakar (UMBC, Fall 2019)

PROFESSIONAL ACTIVITIES & SERVICE

- Workshop on Big Data for Cybersecurity (BigCyber 2021)

Program Committee Member/Reviewer
- IEEE ACCESS
- IEEE Transactions on Services Computing (TSC)
- International Journal of Information Management Data Insights

TECHNICAL SKILLS:

Database Administration:	Oracle 12C, SQL Developer, Microsoft SQL Server 2008, SQL, PL/SQL
Data Warehousing Tools:	Informatica PowerCenter, MSBI (SSIS, SSAS, SSRS), OBIEE 11G, Tableau
Programming:	C, C++, Python, ASP.NET, C#.NET,
Operating System:	UNIX, Windows
Software:	Microsoft Office suite, Microsoft SharePoint
IDE:	Microsoft Visual Studio
Scripting Languages:	Perl, Shell Scripting
Statistical Languages:	R Language

TEACHING

- CIS 4350 - Management Information Systems
- CIS 3303 - Programming Logic and Design
- CIS 4360 - Strategic Information Systems

AWARDS

- Best paper award at 8th IEEE International Conference on Big Data Security on Cloud /High Performance and Smart Computing /Intelligent Data and Security