

# LAVANYA ELLURI

## RESEARCH AND TEACHING INTERESTS

---

**Research Areas:** Data Mining, Data Privacy and Security, Semantic Web, and Smart Health.

I worked 9+ years in the industry but being in academia was always my passion. Hence, I started doing a Ph.D., and I'm enthusiastic about working in professor roles.

## CURRENT POSITION

---

### Graduate Research Assistant

Department of Information Systems  
University of Maryland Baltimore County  
Advisor: Dr. Karuna Pande Joshi

*January 2018 - Present*

Baltimore, MD

### Senior Database Engineer

REI Systems, Inc.

*January 2015 - Present*

Sterling, VA

## EDUCATION

---

### Ph.D. in Information Systems

University of Maryland Baltimore County  
(GPA: 3.9/4.0)

*January 2018 - Present*

### Master's in Management Information Systems

University of Houston Clear Lake  
(GPA: 3.9/4.0)

*2013-2014*

### B.Tech. in Electronics and Communications Engineering

JNTU Hyderabad, India  
(GPA: 7.5/10)

*2006-2010*

## PUBLICATIONS

---

### Journals

1. **Elluri, Lavanya**, Aritrnan 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)

### Conferences

3. **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).
4. **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.
5. **Elluri, Lavanya**, Varun Mandalapu, and Nirmalya Roy. "Developing Machine Learning Based Predictive Models for Smart Policing." 2019 IEEE International Conference on Smart Computing (SMARTCOMP). IEEE, 2019.

6. **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.
7. 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).

### **Ph.D. Dissertation**

8. 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**

9. 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**

---

#### **Teaching Assistant**

Database Systems Lab, University of Houston Clear Lake  
Advisor: Dr. Naveed Saleem

*Jan 2014 - Dec 2014*

#### **Systems Engineer**

Infosys, India.

*Mar 2011 - Jun 2013*

### **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