

# Shivani Awati

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## DATA ANALYST

### SKILLS

- Languages: Python, SQL, Java, C/C++, Html.
- Databases: Oracle (PL/SQL packages, procedures, triggers), Oracle SQL, indexing, constraints, normalization (3NF).
- Data Platforms & Cloud: AWS (EC2, S3, Lambda, CloudWatch), Oracle Fusion Cloud/OIC, ETL/ELT.
- Analytics & BI: Power BI, Microsoft Excel.
- Dev Tools & Agile: Jira, BitBucket, code reviews, branching strategies, unit/integration testing, peer design reviews.

### EDUCATION

**The University of Texas at Arlington, TX, USA: Jan 2024 - August 2025**

**Master of Science in Information Systems (GPA: 3.45)**

**Relevant Coursework:** Cloud computing, Business Statistics, Data warehouse, Analysis and Design, Data Mining, Project Management, AI Ethics, Management of Information Technology.

**Shivaji University, Kolhapur, India: Aug 2017 - May 2021**

**Bachelor of Engineering – Computer Science and Engineering (GPA: 3.5)**

**Core CS:** Data Structure, Operating Systems, DBMS, Distributed Systems, Computer Network, Computer Graphics.

### PROFESSIONAL EXPERIENCE

**Capgemini | India | Sep 2021 - Nov 2023**

*Senior Data Analyst*

- Designed and maintained packages, procedures, and views for HCM analytics.
- Built reusable OIC integrations and parameterized mappings for inbound/outbound flows.
- Standardized error handling and notification with correlation ID. Scripted database changes and ETL steps.
- Facilitated cross-functional collaboration for effective communication and knowledge sharing.

### PROJECTS

**Resume Screening & Keyword Gap Analyzer | The University of Texas at Arlington| May 2025 - July 2025**

- Built a proof-of-concept end-to-end automation that compares resumes to job descriptions using TF-IDF and embedding-based similarity, then highlights missing skills.
- Implemented scalable preprocessing with AWS Glue (Spark), exposed inference via serverless API, simple React UI for submitting resumes, job description and viewing results.
- Added structured logging and error categorization to speed up debugging and support handover.

**Topic Modeling for Research Articles | The University of Texas at Arlington| Oct 2024 - Dec 2024**

- Designed and implemented topic modeling pipelines to analyze cybersecurity and privacy research articles
- Applied techniques including LDA, LSI, NMF, BERT, and BUNKA to uncover key themes and latent structures.
- Demonstrated ability to translate unstructured data into actionable thematic insights.
- Conducted co-authorship network analysis and measured degree centrality using Python libraries and VosViewer.

**University Portal (MyMav) | The University of Texas at Arlington| Jan 2025 - May 2025**

- Produced 3NF relational schema for student information workflows (registration, add/drop class, view grades, transcripts, financial aid).
- Authored UML (use cases, activity, sequence, class diagram) and tightened method responsibilities. emphasized integrity constraints and transactional boundaries for downstream analytics.

### CERTIFICATIONS & PUBLICATIONS

- IEEE-certified in Java and C++, demonstrating strong foundational skills in object-oriented programming.
- Oracle Cloud Certified in Database Migration and Technologies.
- Certified in Agile Project Management, with expertise in iterative development, adaptive planning, and agile principles.
- Poster Presentation: “Topic Modeling and Network Analysis” (College of Business Symposium, UTA).
- Certified “Business Analyst” from ‘The University of Texas at Arlington’.