Abha Misaqi

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EDUCATION

The University of Texas at Austin   May 2026
- B.S. Computer Science, B.S. Economics
- **Relevant Coursework**: Data Science, Artificial Intelligence, Software Engineering, Data Structures, Operating Systems, Computer Architecture, Cyber Security, IOS Mobile Computing, Machine Learning

SKILLS

- **Technical Skills**: Java, Python, JavaScript, React, R, Typescript, SQL, Tableau, Matlab, Stata, HTML, CSS, C, C++, Perl
- **Technologies:** Git, Linux, Figma, Adobe Illustrator, Microsoft SQL Server, Abletxaon, Power BI, Selenium, Jira

WORK EXPERIENCE

Oracle, *Software Engineer Intern*   May 2024 - Aug 2024
- Implemented an AI-powered API Search Page with **Oracle Cloud Infrastructure**, creating a chatbot interface for efficient API management across the Cloud Cost Estimator team workspace
- Engineered a tiered Product Pricing and Realms reporting tool in Oracle APEX, utilizing advanced SQL and PL/SQL to ensure accurate retrieval of active tiered pricing data

Credera, *Data Analyst Intern*   May 2023 - Aug 2023
- Spearheaded a comprehensive international research project in Buenos Aires, Argentina, analyzing market trends and client needs to bolster Credera's global business strategy and market penetration
- Built data pipelines and visual dashboards using **SQL** and **Tableau**, uncovering key insights that informed strategic decisions for company expansion and presented these recommendations during weekly meetings with senior leadership

Good Systems, *Data Analyst Intern*   June 2022 - Feb 2023
- Conducted research in partnership with UT Austin's Technology & Information Policy Institute, focusing on the evolution and efficiency of surveillance equipment technologies nationwide
- Analyzed 100+ hours of surveillance footage using advanced statistical methods in **R** and **Python**, translating complex data into comprehensive graphs, highlighting incident trends and security vulnerabilities

TECHNICAL PROJECTS

Virtual Tutoring Management System   Jan - March 2025
- Built a scheduling and session-tracking platform for tutors and students using **Java** with Spring Boot for the backend and **MySQL** for relational data storage.
- Implemented a responsive **React** + **Bootstrap** front-end with real-time updates, enabling secure login, tutor search, session booking, and automated email reminders.

Austin Traffic Heat Map Analysis   March - May 2024
- Designed and implemented a **Python**-based heat map to visualize live data of traffic incidents and congestion in Austin, utilized **Pandas** for data cleaning and **Folium** for map visualization
- Enhanced data interpretation by conducting spatial analysis through unsupervised machine learning method KMeans clustering, enabling stakeholders to gain a multi-dimensional understanding of road safety

Automated QA & CI Testing Framework   Nov - Dec 2023
- Designed a modular QA automation framework for **REST API** and UI validation using **PyTest**, JSON schema matching, and **Selenium**-based end-to-end testing.
- Integrated test execution into GitHub Actions with Slack notifications, reducing manual QA by 70% and catching 85% of bugs before staging.

LEADERSHIP EXPERIENCE

The University of Texas at Austin UX Design Club, *Finance Officer*   Aug 2021 - May 2022
- Launched Profit Share initiative, forging strategic partnerships with local companies, resulting in a 40% increase in funds
- Coordinated fundraisers and networked with organizations which led to 7 sponsorships and biweekly speaker events