PANKTI MEVADA

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SUMMARY

MS candidate in Computer Science with hands-on experience in software development and SQL feature implementation. Demonstrated ability to optimize API performance and enhance user experiences during a Software Engineering Internship. Proficient in Java, C/C++, Linux, and GitHub, with a strong foundation in data structures and database systems.

EDUCATION

UNIVERSITY OF TEXAS AT DALLAS   **Aug 2023 - Dec 2025**

Masters of Science, Computer Science, Intelligence Systems

- **Coursework:** Data Structures, UNIX Environment, Database Systems, Software Engineering, Machine Learning, Web Development

UNIVERSITY OF TEXAS AT DALLAS   **Aug 2020 - May 2023**

Bachelor of Science, Computer Science

EXPERIENCE

REWITING THE CODE | *Member*   **Feb 2023 - Present**

- Attended 7+ workshops and webinars on software development, AI, and career growth, enhancing technical and professional skills.
- Engaged with a community of over 500 women in tech, expanding my network and gaining industry insights.
- Absorbed strategies from 50+ industry leaders on navigating the tech landscape, refining problem-solving and career planning abilities.

SANKET SYSTEMS | *Software Engineering Internship*   **Jun 2024 - Jul 2024**

- Engineered and maintained web-based applications using Java, React, JavaScript, and SQL, which enhanced system efficiency and user experience.
- Enhanced API performance by debugging and optimizing backend SQL queries, reducing response times by 15%.
- Collaborated with senior engineers and test engineers in an Agile environment, utilizing tools including GitHub and Linux command line to implement new features and enhancements.
- Conducted detailed code reviews and unit testing with leading software IDEs, ensuring adherence to industry best practices and high-quality software delivery.

UNIVERSITY OF TEXAS AT DALLAS | *Testing Center Proctor*   **Nov 2022 - Apr 2023**

- Organized and communicated test day procedures to proctors, resulting in <2% errors in test administration.
- Monitored and coordinated up to 150 students during exams using LAN to identify any unusual activity.
- Managed a team of 15 proctors to ensure all duties were carried out efficiently and everyone had equal responsibilities.

ACADEMIC PROJECTS

SNAKE GAME (JAVA) | *UNIVERSITY OF TEXAS AT DALLAS*

- Developed a classic snake game in Java, implementing core object-oriented principles such as encapsulation, inheritance, and polymorphism to structure the game logic and user interface.
- Integrated a responsive and dynamic graphical user interface (GUI) using Java Swing, enabling smooth gameplay with real-time updates and collision detection.

TOYOTAECO (PYTHON, STREAMLIT, SQL) | *UNIVERSITY OF TEXAS AT DALLAS*

- Preprocessed more than 600 entries of 5 years of fuel economy data using SQL, ensuring analysis for insights.
- Developed and deployed a Streamlit app with Python to visualize data trends, supporting Toyota employees in decision-making and operations.
- Integrated Python libraries like Matplotlib and Plotly, allowing users to choose from 4 data visualization types.

FORAGE: VIRTUAL EXPERIENCE PROGRAM (AWS SOLUTIONS ARCHITECTURE) | *UNIVERSITY OF TEXAS AT DALLAS*

- Designed and simple and scalable hosting architecture based on Elastic Beanstalk for a client experiencing significant growth and slow response times.
- Described my proposed architecture in plain language ensuring my client understood how it works and how costs will be calculated for it.

CERTIFICATIONS & TECHNICAL SKILLS

- **Certifications**: MATLAB Fundamentals, Python Bootcamp, Generative AI on AWS
- **Programming**: Java, C++, Python, HTML, JavaScript, Angular, SQL, MATLAB, Node.js, React, OpenTelemetry, Grafana
- **Tools**: GitHub, Linux, MySQL, Eclipse, XCode, PyCharm, BlueJ, IntelliJ, VS Code
- **Cloud & DevOps**: AWS (Elastic Beanstalk, AWS Amplify, CloudWatch, DynamoDB, API Gateway, Lambda, Cognito, IAM)
- **Relevant Coursework**: Data Structures, UNIX Environment, Database Systems, Software Engineering, Machine Learning, Web Development, Computer Science, Algorithms, Operating Systems, Computer Architecture