

RAKSHA JAGADISH

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EDUCATION

- **California State University** Fresno, CA
Master of Science in Computer Science CGPA: 3.64 Jan 2023 - Dec 2024
- **BNM Institute of Technology, Bengaluru, India** Bengaluru, India
Bachelor of Engineering in Information Science Aug 2015 – Jul 2019

EXPERIENCE

- **California State University** Fresno, California
Graduate Teaching Associate - Design and Analysis of Algorithms Aug 2023 - Present
 - Design and grad quizzes, homework assignments and exams for students.
 - Mentor and supervise teams of undergraduate students.
- **Accenture Solutions Pvt Ltd** Bengaluru, India
Application Development Analyst Nov 2019 - Oct 2022
 - Designed and delivered an exception handling framework in Java, enhancing application reliability and performance.
 - Collaborate with cross-functional teams, including product managers and UX designers, to deliver technically sound solutions ensuring seamless operation and consistency.
 - Delivered the migration of 120 legacy servers to new, high-performance servers, improving system efficiency and scalability.
 - Executed data center migration plan and monitored migration, ensuring proactive identification and resolution of potential issues.
 - Conducted rigorous testing and validation post-migration achieving complete uptime post deployment.
 - Troubleshoot and resolve bugs, issues, and performance bottlenecks in a timely manner.

PROJECTS

- **IMBD Insights:** Constructed a MySQL database using the IMDB dataset, including database design principles, such as ER diagrams, normalization, SQL querying and data visualization
- **Pastebin application in Spring Framework:** Developed a full stack web based application using Model-controller-Repository-Model, Spring Framework for backend, PostgreSQL for database interactions and HTML/CSS for front-end
- **Job Portal Application using Spring and React:** Developed a job portal with Spring Boot for backend (authentication, job/company management, PostgreSQL) and React. integrated external job data for enhanced user experience
- **Custom Classifiers and CNN Implementations:** Developed MLP and KNN classifiers from scratch, evaluated their performance on the MNIST dataset, and implemented a CNN using MATLAB, providing detailed performance analysis
- **Research on Efficient Event Loop Processing Technique:** Demonstrated leadership by coordinating research activities, delivering presentations for developing efficient event loop processing techniques
- **Wifi Hidden Terminal in NS3:** Implemented the Wifi Hidden Terminal, developing and testing the RTS/CTS mechanism, conducting a comparative analysis of throughput under various scenarios

PROGRAMMING SKILLS

- **Languages:** Python, Java, JavaScript, MATLAB, HTML, CSS, React, NodeJS
- **Databases:** PostgreSQL, MongoDB, DynamoDB, OracleDB, MySQL
- **Frameworks:** Spring, Apache Spark, Maven, REST
- **Technologies:** Amazon Web Services, Tableau, Git, Jenkins, Maven

ACHIEVEMENTS

- Won the "Academic All Star Award" consecutively for three semesters at California State University.
- Microsoft Certified: Azure Fundamentals - 990130289
- Oracle Cloud Infrastructure Foundations Associate certified