

## EDUCATION

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**California State University, Fullerton, California**  
*Master of Science, Computer Science*

**May 2024**  
GPA: 3.74

**Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India**  
*Bachelor of Science, Computer Science*

**May 2022**  
GPA: 3.51

## EXPERIENCE

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**Teaching Associate at California State University**  
*Teaching Associate - Front End Engineer*

Fullerton, California  
January 2024 – May 2024

- Delivered advanced front-end engineering education to 37+ students in JavaScript, Node.js, React, and TypeScript, ensuring a 100% pass rate in Spring 2024 through effective communication, teaching and mentoring.
- Devised a structured curriculum with comprehensive materials, including code reviews, open-source projects, and debugging workshops, reinforcing student learning outcomes and core concepts throughout the semester.
- Utilized interactive platforms such as GitHub Classroom and React environments yielding a 35% increase in participation and a 25% improvement in assignment completion rates, demonstrating a strong ability to apply modern development tools and techniques.

**The SPARKS Foundation**  
*Web Development Intern*

Hyderabad, India  
October 2021 - March 2022

- Collaborated with project managers and UX designers to augment cross-device user experience using JavaScript and Bootstrap, boosting mobile usability metrics by 25% and saving 20% on development time during the internship.
- Incorporated Selenium for automated testing, mitigating manual efforts by 30% and optimizing the testing process, enhancing software quality throughout the tenure.
- Orchestrated seamless database integration across 30+ webpages, enabling real-time updates and enriching user interaction and functionality with robust backend scripts in Python and PHP during a 6-month internship.

## PROJECTS

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**Gourmet Recipe Book App** | TypeScript, Angular, Firestore, Git

August 2023 - December 2023

- Designed a recipe management app using TypeScript and Angular, supporting and considering 5,000+ data points over 5 months, focusing on maintainability and scalability.
- Strengthened security by implementing MVC-based authentication with Firestore, bolstering data protection measures; cut login-related issues by 30% during a targeted 4-month phase.
- Streamlined reliability and app execution using Angular lazy loading and Firestore indexing, culminating in a 20% reduction in load times while ensuring smooth deployment.

**Digital Streaming Application** | Kotlin, Android Studio, Firebase, Git

September 2022 - December 2022

- Architected a Netflix-like streaming app using Kotlin and Android Studio, improving user engagement by 20% with a user-friendly interface while reducing bugs by 30% through proactive debugging within 4 months.
- Leveraged Firebase for robust storage and data retrieval, efficiently managing 50+ HTTPS requests daily and supporting 30+ streaming assets in the final 2 months.

**Automatic Tunnel Incident Detection** | Python, TKinter, JavaScript, Git

March 2022 - May 2022

- Deployed a Faster RCNN model for tunnels, attaining 97% accident detection accuracy during the 3-month project.
- Spearheaded performance optimization initiatives, accelerating response times by 25% and minimizing frame noise by 40% over a focused 3-month interval.
- Embedded real-time alerting via WebSocket, slashing incident response times by 50% and ameliorating overall safety monitoring effectiveness through dependable operation.

**E-Safety Welcoming** | Python, JavaScript, HTML, CSS, Git, PyCharm

March 2021 - April 2021

- Pioneered the creation of a smart home security system, integrating advanced data storage and facial recognition to securely process 10,000+ entries with reliable real-time processing, emphasizing maintainability.
- Engineered a facial recognition module, reaching 96% match accuracy over an 8-week development cycle.

## TECHNICAL SKILLS

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- Languages: Java, Python, C/ C++, SQL, GraphQL, HTML/ CSS, JavaScript, Go, TypeScript, Kotlin, Rust
- Frameworks: React, Angular, Bootstrap, Node.js, Flask, WordPress, Fast API, Selenium, Express.js
- Developer Tools: Git, Docker, Kubernetes, Google Cloud Platform, AWS, Azure, VS Code, PyCharm, IntelliJ, Eclipse, Android Studio, TKinter, PyTorch, TensorFlow, Firebase, Firestore, Jira/ Trello, Tableau, PowerBI.