Mahijeet Reddy Gaddam

Fullerton, CA, 92831 | 657-705-9365 | mahijeet1127@gmail.com | LinkedIn | GitHub | Portfolio

EDUCATION

California State University, Fullerton, California — **May 2024**
Master of Science, Computer Science — *GPA: 3.74*

Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India — **May 2022**
Bachelor of Science, Computer Science — *GPA: 3.51*

EXPERIENCE

California State University, Fullerton — Fullerton, California
Teaching Associate - Front End Engineering — January 2024 - May 2024

- Streamlined and optimized advanced front-end engineering solutions, leveraging **JavaScript, React,** and **TypeScript** to build **high-performance, scalable, data-driven** applications.
- Implemented optimization strategies for frontend architectures, streamlining complex **data visualization** requirements, and elevating **system performance** by **20%.**
- Conducted **50+** in-depth code reviews ensuring adherence to best practices, collaborated on **4** open-source projects among **37+** learners, resolved critical issues through debugging, reinforcing scalable development principles.
- Leveraged **Git** and **GitHub** for version control, managed **React**-based projects, alongside advanced testing methodologies **Jest** and **Enzyme**, improving project quality by **30%** and debugging efficiency by **20%**.

The SPARKS Foundation — Hyderabad, India
Frontend/ Web Engineer Intern — February 2022 - July 2022

- Collaborated with project managers and UX designers to augment **cross-device** user experience using **JavaScript** & **React**, boosting mobile usability metrics by **25%** and saving **20%** on development time during the internship.
- Incorporated **Selenium** for **automated testing**, mitigated manual efforts by **30%** and optimized the testing process, software quality, contributing to **higher quality** and **faster release cycles**, while leveraging **AWS** for **Deployment**.
- Orchestrated **seamless database integration** across **30+** webpages, enabling real-time updates and enriching database interactions and functionality with **SQL** and robust backend scripts in **Python** and **PHP**.

PROJECTS

Vision Board Pro | TypeScript, React, Tailwind, Firestore, Git — June 2024 - October 2024

- Designed a Vision board app for skill development, personal, professional goals, using **TypeScript** and **ReactJS**, considered **500+** online data points for displaying top daily goals, focused on **maintainability** and **scalability**.
- Upgraded security by implementing **MVC**-based authentication with **Firestore**, bolstering data protection measures, cutting login-related issues by **30%** during a targeted 4-month phase.
- Revamped app execution and reliability using **React lazy loading** and **Firestore indexing**, culminating in a **20%** reduction in load times while ensuring smooth deployment.

Digital Streaming Dashboard | JavaScript**,** React, Python**,** GraphQL, Firebase — February 2024 - May 2024

- Developed a high-performance streaming dashboard using **React**, **GraphQL**, and **Firebase**, handling **real-time data synchronization** and reducing latency by 20%.
- Leveraged **Firebase** for robust Backend Integration and **GraphQL** for efficient data retrieval, managed **50+** Query Requests daily and supporting **40+** streaming assets.
- Harnessed **Python** for backend data processing and **API** integration, handling complex data operations and enhanced data synchronization between the frontend and backend systems.

FindMyPet: Lost Pet Tracker | React, Firebase, Twilio API — December 2023 - February 2024

- Built an app to help pet owners locate their lost pets using geolocation and user-uploaded sighting reports, integrated with Firebase for real-time updates.
- Implemented a notification system via Twilio API, resulting in a 35% reduction in time-to-notification for new sightings reported within a 5-mile radius.
- Designed an intuitive interface featuring interactive maps and photo uploads, improving user engagement by 40% and streamlining the search process for 500+ reported sightings.
- Optimized app performance with React Lazy Libraries, achieving a 30% faster load time, ensuring functionality even on low-speed networks.

TECHNICAL SKILLS

- Languages: JavaScript, TypeScript, HTML/ CSS, Java, Python, C/C++, SQL, GraphQL
- Frameworks: React, Redux, Angular, Node.js, Figma, Flask, Tailwind CSS, Selenium, Bootstrap

- Developer Tools: Git, GitHub, Docker, Kubernetes, MongoDB, GCP, AWS, Azure, VS Code, Eclipse, IntelliJ, Postman, RESTful APIs, Firebase, Jira, Jest, Enzyme, Debugging, Three.js, GSAP, Framer, Lottie