

Pranay Netha Guda

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EDUCATION

California State University, Fullerton

Master of Science in Computer Science

Fullerton, CA

August 2022 – May 2024

Sreenidhi Institute of Science and Technology

Bachelor in Electronics

Hyderabad, India

August 2018 – June 2022

EXPERIENCE

Teaching Associate

California State University, Fullerton

January 2024 – May 2024

Fullerton, CA

- Mentored 50 students in web development courses focusing on JavaScript and ReactJS, achieving a 25% increase in proficiency.
- Developed course materials and conducted labs, leading to a 20% boost in project completion rates.

Lab Assistant

California State University

August 2023 – January 2024

Fullerton, CA

- Conducted lab sessions for C++ programming for 30 students, providing hands-on guidance and enhancing practical skills by 30%.
- Designed assignments and projects tailored to real-world scenarios, resulting in a 40% increase in high exam scores and 30% improvement in engagement.

Intern Developer

Tata Consultancy Services (TCS)

January 2022 – June 2022

Hyderabad, India

- Formulated a real-time vehicle diagnostics web application using HTML, CSS, JavaScript, and React, increasing diagnostic processing efficiency by 30%.
- Elevated mobile user engagement by 25% with responsive design principles, ensuring seamless functionality across devices.
- Enhanced data retrieval and boosted system scalability by 40% through integrating RESTful APIs using Axios.

Intern Developer

Manac Infotech

May 2021 – November 2021

Hyderabad, India

- Created a front-end web application using React, improving user interaction and engagement by 20%.
- Optimized performance by leveraging advanced React features (hooks, context API) to manage state and lifecycle, reducing page load times by 35%.
- Facilitated seamless data flow by collaborating with back-end developers to integrate APIs, improving data retrieval speed by 30%.

PROJECTS

Video Chat App Using React and WebRTC | React, WebRTC, Firebase

April 2024 – May 2024

- Spearheaded a real-time video chat application using React, WebRTC, and Firebase for signaling, supporting 200 concurrent users and enhancing communication efficiency by 40%.
- Optimized state management and interface design with Redux and Bootstrap, deploying on AWS to support 1,000 users with 99.9% uptime.

Food Ordering App Using React | React, Node.js, Redux Toolkit

March 2024 – April 2024

- Built a responsive food ordering platform with React hooks and RESTful APIs, increasing order completion rates by 30% and reducing cart abandonment.
- Streamlined state management using Redux Toolkit, enhancing data flow and boosting app performance for 500 daily active users.

Sentiment Analysis Web App Using AWS SageMaker | React, AWS SageMaker, AWS Lambda

August 2023 – December 2023

- Engineered a sentiment analysis application with React and AWS SageMaker, processing 10,000 texts daily and improving text analysis capabilities by 45%.
- Constructed a REST API for the endpoint using AWS Lambda and API Gateway, facilitating interaction and reducing latency by 30%.

React Todo List with Google Calendar Integration | React, Google Calendar API, Redux

February 2022 – June 2022

- Designed a Todo List application with integration to Google Calendar API and Redux, improving task management for 200 users and enhancing productivity by 25%.
- Created a responsive interface using CSS and Bootstrap, ensuring usability across multiple devices and increasing mobile usage by 35%.

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, HTML/CSS, TypeScript

Frameworks: React, Next.js, TensorFlow, AWS, AWS SageMaker, Redux, Axios, Bootstrap, WebRTC, Tailwind CSS, GraphQL, Node.js

DevOps: Jenkins, Docker, Kubernetes

Databases: SQL, MySQL, PostgreSQL

Version Control: Git (GitHub)