GUDA PRANAY NETHA
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EDUCATION

California State University, Fullerton May 2024
Master of Science, Computer Science
GPA: 3.92/4.0

Sreenidhi Institute of Science and Technology June 2022
Bachelor of Engineering in Electronics
GPA: 8.12/10

TECHNICAL SKILLS

- Languages: Python, C++, JavaScript, HTML, CSS, SQL
- Frameworks: React, TensorFlow, AWS, AWS Sagemaker, Redux, Axios, API, Bootstrap
- Databases: RDMS(SQL)
- Version Control: Git (GitHub)
- Technologies: Web Development, Artificial Intelligence, Cloud Computing, Machine Learning, Deep Learning, Front End
- Misc.: Data Structures and Algorithms, AWS

EXPERIENCE

California State University, Fullerton, Fullerton, CA **August 2023 - Present**
Teaching Associate (Department of Computer Science) **January 2024**

- Emphasized hands-on learning by incorporating code walkthroughs, debugging exercises, and collaborative coding projects, leading to a demonstrated increase in student proficiency in C++ and Data Structures.
- Presented innovative teaching methods at departmental and regional conferences, contributing to the advancement of effective data structures education using C++

Lab Assistant (Department of Computer Science) **August 2023 - January 2024**

- Conducted and led various lab sessions for C++ programming, providing hands-on guidance to students in understanding and solving complex coding challenges
- Designed and created assignments and C++ programming projects tailored to boost students' problem-solving skills and reinforce key concepts in computer science

Tata Consultancy Services TCS, Hyderabad, India **May 2021 - May 2022**
Intern

- Led the design and development of a feature-rich, interactive web application for real-time vehicle diagnostics, utilizing HTML, CSS, JavaScript, and React.
- Enhanced user experience by implementing responsive web design principles, ensuring seamless functionality across various devices and platforms.
- Collaborated with backend developers to integrate RESTful APIs, significantly improving data retrieval efficiency and system scalability.

PROJECTS

FOOD ORDERING APP USING REACT **March 2024** – April 2024

- React Frontend Development: Designed and implemented the user interface for a food ordering app using React, focusing on responsive design and interactive elements. Leveraged React hooks for effective state and lifecycle management.
- API Integration and State Management: Managed RESTful API communications for meal data retrieval and order processing, aligning frontend operations with a Node.js backend. Utilized advanced state management practices to ensure consistency and maintainability across components.

React Todo List with Google Calendar Integration **January 2024-March 2024**

- React Todo List Development: Engineered a dynamic Todo List application using React, enabling users to create and manage multiple lists with ease. Enhanced user productivity by incorporating seamless task synchronization with Google Calendar.
- API Integration and User Experience: Integrated Google Calendar API to synchronize Todo tasks, offering users a cohesive and organized view of their schedules. Demonstrated expertise in leveraging third-party APIs to enrich application functionality and user engagement.

SENTIMENT ANALYSIS WEB APP USING AWS SAGEMAKER **August 2023 - December 2023**

- Developed a sentiment analysis web application utilizing HTML, CSS, JavaScript, and React, enhancing user interaction and enabling real-time text sentiment analysis. Integrated the application with AWS SageMaker for backend processing.
- Designed and deployed a machine learning model using AWS. Constructed a RESTful API with AWS API Gateway, ensuring efficient data flow and seamless integration between the React frontend and the AWS-powered backend.

Blog Summarization Using NLP **February 2022 - June 2022**

- Developed a comprehensive web application integrating Django and Flask to create a robust API for a deep learning model, facilitating real-time blog content extraction and summarization.
- Employed the PEGASUS model, implemented with TensorFlow and Keras, to perform abstractive text summarization, delivering high-quality summaries that enhance content accessibility.
- Seamlessly integrated a React frontend, ensuring a dynamic and responsive user interface that effectively displays summarized content and interacts with the Django-Flask backend.