Humanvitha Sai Dharani Chinnam

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EDUCATION

California State University Long Beach (CSULB)   **Long Beach, California**
Master of Science, Computer Science   **Aug 2023 - Present**
Related Coursework: Algorithms, Advanced Programming, Software Engineering, Artificial Intelligence
Lakireddy Bali Reddy College of Engineering (LBCE)   **Andhra Pradesh, India**
Bachelor of Technology in Information Technology   **Jun 2021**
Related Coursework: Data Structures, Web Technologies, Object Oriented Programming, Databases

SKILLS

Python, C, Java, SQL, JavaScript, TypeScript **|** HTML, CSS, ReactJS, NextJS, Constellation, GraphQL, Zustand
MySQL, MongoDB, Oracle, GCP **|** Eclipse, Microsoft Office, Visual Studio Code, Git, Jira, Jupyter Notebook,
Anaconda **|** Pandas, NumPy, Matplotlib, Scikit-learn, DNN, OpenCV, Transfer Learning, IoT

WORK EXPERIENCE

Tata Consultancy Services   **Hyderabad, India**
Front-End Developer   **Jul 2021 - Jul 2023**
- Designed a responsive website for an internal banking platform using ReactJS and Constellation.
- Automated form submission processes which reduced completion time by 40% by process management.
- Migrated over 120 Galaxy forms to automated ReactJS interfaces, decreasing processing time by 20%.
- Adopted component testing with Jest, achieving over 85% test coverage for meticulous quality assurance.
- Enabled seamless data transfer by integrating front-end with back-end using a modular architecture.
- Accelerated development speed by 25% by creating reusable components for cross-project utilization.
- Contributed to agile practices, shortening the average feature release time by 30% through collaboration.

PROJECTS

Reliever – Social Media Application
NextJS, TypeScript, Sanity, Zustand, GraphQL
- Created a video platform for sharing and discovering creative content with optimized views across devices.
- Leveraged NextJS to enhance code efficiency, user engagement and improved the app's reliability by 15%.
- Used Sanity to speed up database management by 30%, facilitating user collaboration and frequent updates.
- Proactively integrated powerful search capabilities to facilitate effortless profile and video exploration.

HearHub Headphones – Ecommerce Website
ReactJS, Sanity, Tailwind, Stripe, HTML, CSS
- Developed a dynamic e-commerce platform that offers a wide range of headphones for diverse customers.
- Utilized server rendered React application to ensure a high-performance and enhanced user experience.
- Incorporated a secure payment window that provides customers a safe and reliable purchase method.
- Strategically established performance monitoring metrics to facilitate data-driven optimization decisions.

Real-Time Chat Application
ReactJS, JavaScript, Chat Engine, HTML, CSS
- Proficiently implemented core chat functionality for real-time messaging between utilizers with low latency.
- Introduced the Chat Engine API to enable chatting and smooth scrolling feature as new messages arrive.
- Added typing indicators, read receipts and online presence with enriched services for 5,000+ users.

PUBLICATION AND CERTIFICATION

Real-Time Face Mask Detection System
OpenCV, DNN, Transfer Learning, Caffee Model
- Built an access control system prioritizing safety by permitting entry only to individuals wearing masks.
- Diligently facilitated a system with OpenCV and MobileNet that classifies data accurately by 95%.
- Engineered a model that takes under 100ms detection time, enabling responsive video face identification.
- Reduced need for human intervention by 75% through automated gate system prioritizing safety.

Google Cloud Certified Associate Cloud Engineer