Humanvitha Sai Dharani Chinnam

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EDUCATION

California State University Long Beach (CSULB)   **Expected May 2025**
Master of Science, Computer Science
Lakireddy Bali Reddy College of Engineering (LBCE)   **June 2021**
Bachelor of Technology in Information Technology   **GPA**: 9.28/10
Relevant Coursework: Computer Networks, Databases, Data Structures, Programming in C, Java

WORK EXPERIENCE

Tata Consultancy Services   **July 2021- July 2023**
Front-End Developer

- Crafted an intuitive front-end interface for the company's website utilizing the power of React JS in conjunction with Galaxy Forms data, leading to a notable upsurge of 15% in web traffic.
- Managed the creation of web pages that precisely matched business needs, ensuring they aligned smoothly with company goals. Developed 3 web applications using ReactJS, boosting efficiency and productivity.
- Migrated the Galaxy Forms into responsive webpages in cloud, which resulted in a 25% reduction in server costs.
- Pioneered the automation of form data submission using the innovative power of React JS, effectively streamlining processes, and diminishing reliance on manual inputs by 40%.
- Spearheaded the migration of Galaxy Forms into a cloud-based ecosystem, meticulously transforming them into responsive webpages. This strategic maneuver yielded enhanced accessibility and scalability while reducing operational costs.

SKILLS

Programming Languages: Python, C, Java, SQL, JavaScript, TypeScript
Web Technologies: HTML, CSS, ReactJS
Tools: Eclipse, Microsoft Office, Visual Studio Code, IoT, Git
Databases/Cloud Services: MySQL, MongoDB, Oracle, GCP
Certifications: Google certified Associate Cloud Engineer, Introduction to HTML5, Python for Everybody – Coursera, Problem solving through programming in C – NPTEL.

PROJECTS

Real-Time Chat Application   **Fall 2023**

- Implemented core chat functionality enabling real-time messaging between users with low latency using web sockets. Built reactive UI with smooth scrolling as new messages arrive. Also, used Chat Engine API to embed the chatting feature in the application.
- Constructed end-to-end chat pipeline from sending message to displaying it using React uni-directional data flow. Minimized the UI lag. Managed complex state across rapidly changing chat data using React and Redux architecture.
- Implemented typing indicators, read receipts, and online presence to enrich chat experience.
- Built multi-room group chat capabilities for teams and topics, permitting isolated conversations with separate permissions.

Real-Time Face Mask Detection System   **Spring 2023**

- Created an advanced system that only allows access to individuals wearing masks, prioritizing safety. By using computer vision and machine learning, the system detects masks accurately, promoting responsible mask use in line with health guidelines.
- Using OpenCV, I designed a smart Caffe model for identifying faces in video streams. This model quickly recognizes faces, improving accuracy and responsiveness for face recognition in various applications.
- Deployed the robust MobileNet architecture to classify mask-wearing, effectively determining compliance. Integrated the Pi Camera and Raspberry Pi 3 for real-time data processing, instantly evaluating mask adherence.
- Connected the model's findings to an automated gate system, ensuring secure access based on mask compliance, and reducing human intervention for a safer environment.

INVOLVEMENT

Volunteer at CSULB, Women in Computing(WiC)   August 2023 - Present
Internshala Student Partner   December 2019 - May 2020
National Service Scheme Secretary, LBCE   August 2018 - July 2020