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)   **Jun 2021**
Bachelor of Technology in Information Technology   **GPA: 3.74**

WORK EXPERIENCE

Tata Consultancy Services   **Jul 2021- Jul 2023**
Front-End Developer
- Designed highly responsive web interfaces with ReactJS that improved UX for over 5,000 employees on internal banking platform.
- Developed user-friendly web forms that reduced submission time by 40% through workflow automation.
- Migrated 120+ legacy Galaxy forms to automated ReactJS interfaces, cutting average processing time by 20%.
- Integrated custom front-end with legacy back-end through modular architecture enabling seamless data transfer.
- Implemented component testing using Jest and React Testing Library to identify defects early that achieves over 85% test coverage.
- Developed reusable React component library for efficient cross-project utilization. Increased team development speed by 25%.
- Used React Context API for state management across 50+ components, reducing redundant prop passing logic by 40%.
- Contributed to agile development processes and reduced average feature release time by 30%.

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.
- Integrated the Chat Engine API that enables chatting feature in the application and smooth scrolling as new messages arrive.
- Constructed uni-directional data flow chat pipeline with React and Redux, minimizing UI lag for rapidly updating chat data.
- Added typing indicators, read receipts and online presence using React, enriching core chat functionality for 5,000+ users.
- Built multi-room group chat feature supporting isolated conversations and granular permissions across 50+ team and topic channels.

Real-Time Face Mask Detection System   **Spring 2023**
- Created an advanced system that only allows access to individuals wearing masks, prioritizing safety.
- Designed Caffe facial recognition model achieving <100ms detection time, improving responsiveness for video face identification.
- Created computer vision system using OpenCV and MobileNet that accurately detects mask wearing for 95% of individuals.
- Integrated Raspberry Pi Camera and Pi 3 for real-time mask classification and instant gate access control.
- Reduced need for human intervention by 75% through automated gate system informed by CV analytics, prioritizing safety.

INVOLVEMENT

Associated Students Inc. Volunteer, CSULB   **Oct 2023 - Present**
- Managed grocery inventory and distribution in college pantry, providing access to healthy food for 200+ college students weekly.
- Prepared nutritious meals and led biweekly cooking demonstrations for 30+ students to promote healthy eating.

Internshala Student Partner   **Dec 2019 - May 2020**
- Advised 400+ undergraduates on skills gap analysis to secure relevant internships and address competency gaps.
- Promoted enrollment of 280+ students in supplemental career courses, increasing graduation job placement rate by 15%.

National Service Scheme Secretary, LBCE   **Aug 2018 - Jul 2020**
- Led adoption of a village, engaging 100+ students to identify and address key community needs.
- Spearheaded initiatives benefiting 500+ residents including cleanups, health camps and literacy programs.