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# HUMANVITHA CHINNAM

## EDUCATION

**MS in Computer Science| California State University, Long Beach (CSULB) | GPA: 3.66**                    **Expected: May 2025**
Coursework: Advanced Analysis of Algorithms, Advanced Programming, Software Engineering, Artificial Intelligence

**Bachelor of Technology| Lakireddy Bali Reddy College of Engineering | CGPA: 9.28**                    **June 2017-July 2021**

## SKILLS

Python, C, Java, R, SQL, JavaScript, TypeScript | HTML, CSS, ReactJS, Next.js, Drupal, Constellation, GraphQL, Zustand, Jest | MySQL, MongoDB, Oracle, GCP | Eclipse, Visual Studio Code, GitHub, Jira, Confluence, Jupyter Notebook, Anaconda, Bubble.io, WordPress, Qualtrics | Pandas, NumPy, Matplotlib, Scikit-learn, DNN, OpenCV, Transfer Learning, Internet of Things, Tableau

## PROFESSIONAL EXPERIENCE

**Software Engineer Intern | WalletGyde, Colorado**                    **June 2024-Present**
- Orchestrated the transition from Bubble.io to a sophisticated web application using Next.js and Drupal, developing progressive desktop and mobile interfaces that enhanced platform scalability and usability, resulting in a 40% rise in user adoption rates.
- Executed the creation of a Personal Loan Calculator landing page that facilitated seamless loan estimations, leading to the acquisition of 300+ new customer leads.
- Spearheaded research on AI-based matchmaking algorithms, augmenting successful matches by 25% compared to earlier algorithms.
- Instituted APIs, attaining a 15% reduction in retrieval times, enriching overall system responsiveness and operational excellence.
- Implemented WordPress features to enhance site accessibility and functionality, resulting in a 15% increase in monthly active users.

**Graduate Assistant | CCPHIT | California State University, Long Beach**                    **March 2024-Present**
- Revamped data set management processes, maintaining 99% accuracy, contributing to more empirical decision-making processes.
- Coordinated and executed 100+ interdisciplinary meetings and events annually, increasing cross-college collaboration by 20% and engaging over 150 participants in R&D discussions.

**Front End Developer | Tata Consultancy Services, India**                    **July 2021-August 2023**
- Crafted responsive web pages for banking platforms with ReactJS, elevating client satisfaction by 30% due to better performance.
- Automated the regulatory update process through a web-based solution, decreasing the manual processing period by 60%.
- Enhanced version control and release processes using Gerrit and GitHub, squeezing the code review cycle by 40% and streamlining project delivery with agile methodologies, leading to a 30% decline in project itineraries.
- Innovated with reusable components, boosting development speed by 25% while ensuring code maintainability and scalability.
- Adopted component testing using Jest, completing 85% test coverage, which led to a 40% contraction in bugs and improved reliability.
- Streamlined development using agile methodologies, slashing project timeline by 30%, and enhancing team collaboration.

**Industry 4.0 Intern | Gustovalley Technovations, India**                    **August 2020-September 2020**
- Constructed web applications for IoT device management, boosting data handling proficiency by 20% and system performance.
- Designed intuitive IoT applications with Blynk, improving home automation interaction by 35% due to customer-focused designs.
- Formulated predictive maintenance models using sensors, refining equipment availability by 10% and minimizing inactivity costs.

## PROJECTS

**HearHub Headphones – E-commerce Website**
*ReactJS, Sanity, Tailwind, Stripe, HTML, CSS*
- Led the creation of an e-commerce platform for headphones, catering to varied customer demands, boosting user retention by 40%.
- Deployed a secure payment system and incorporated analytics, upgrading customer information security and easing payment failures by 60%, while driving continuous site refinements that boosted customer engagement metrics by 20%.

**Reliever – Social Media Application**
*Next.js, TypeScript, Sanity, Zustand, GraphQL*
- Architected a multi-device compatible video-sharing platform, lowering load cycles by 40% through effective media caching.
- Refined workflows and implemented search features with Sanity as the CMS, resulting in a 30% decrease in the processing period and a 25% cut in the search span for profiles and videos.

**Real-Time Chat Application**
*ReactJS, JavaScript, Chat Engine, HTML, CSS*
- Engineered a highly efficient live messaging system that trimmed latency by 50%, ensuring smooth and instant communication.
- Integrated Chat Engine API, enhancing chat functionalities with features like typing indicators, read receipts, and online presence, improving real-time communication by 30%.

## PUBLICATION AND CERTIFICATIONS

**Real-Time Face Mask Detection System**
*OpenCV, DNN, Transfer Learning, Caffee Model*
- Created a mask-detection entry system, ensured compliance with health protocols; reduced COVID-19 exposure incidents by 35%.
- Devised a robust classification system using OpenCV and MobileNet, achieving 95% accuracy in detecting mask compliance.
- Initiated a face identification model that can recognize faces under 100 milliseconds, enabling instant video-based access control.

**Certification: Google Cloud Certified Associate Cloud Engineer**