CHERRISMAA MUCHARLA

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Career Objective

Ambitious Software Developer specialized in JavaScript, Express, RESTful APIs, MongoDB, and secure OTP, email workflows, adept at end-to-end solutions with GitHub CI/CD. Proven record in analytical problem-solving, integrity driven development, and delivering responsive UX that meets SEO and performance benchmarks in agile teams.

Education

Bachelor of Technology in CSE - Internet of Things (IoT) — 2020 - 2024
Malla Reddy Engineering College — *CGPA: 8.45*

State Board of Intermediate Education — 2018 - 2020
Narayana Junior College — *CGPA: 9.4*

State Board of Secondary Education — 2015 - 2018
St. Theresas Girls' High School — *CGPA: 9.7*

Projects

Enagic India - Full-Stack Website - JS, Node.js, Express, MongoDB, SMTP, REST API, Vite — Jul 2025

- Built and deployed a responsive full-stack web app with dynamic product pages, interactive checkout/contact forms, and OTP-based email verification using Nodemailer and MongoDB for secure data storage.
- Integrated CI/CD workflows via GitHub, Netlify and Render, managed environment variables, enforced CORS, and ensured SEO-friendly structure and domain-based routing for smooth user and developer experience, maintaining a strong 96/100 Google PageSpeed Insights score for fast-loading user experience.

Smart Save Money - HTML, CSS, JS, Bootstrap 5, WhatsApp Integration — June 2025

- Designed and developed a full stack movie ticket booking website using JavaScript, HTML, CSS, and Bootstrap. Focused on creating an innovative, responsive UI with WhatsApp integration.
- Demonstrated strong software development, problem-solving, and end-to-end delivery skills in a fast-paced, user-focused environment.

Detection of Heart Stroke using ML - Python — Mar 2024

- Built a ML system achieving 94 percent accuracy for early stroke detection, enabling proactive healthcare decisions and improving patient outcomes. Applied Naive Bayes, SVM, Decision Tree, ANN algorithms .
- Utilized SQL for data manipulation and storage, enhancing model accuracy by 23 percent.

Smart Lighting - Sketch — Dec 2022

- Engineered an automatic lighting system integrating sensors, algorithms to optimize energy-efficient operations.
- Emphasized solving real-world problems through innovative hardware, using motion detection and remote control.

Drowsiness Detection System - Python — Nov 2021

- Developed real-time drowsiness detection app using OpenCV, dlib, EAR to analyze eye movement and fatigue.
- Integrated alert systems with audio feedback for driver safety, emphasizing software innovation, operational integrity enhanced accuracy by 20 percent.

Technical Skills

Languages: Python, JavaScript, OOPS

Technologies: MySQL, HTML5, CSS3, Git

Coursework: Visual Studio Code, Computer Networks, Operating Systems

Achievements

- Second place winner in the Vishesh 2021 Project Expo organized by MREC.
- Coordinated Dew Arcade, a game, with 100 percent success at the college event.

Certifications

Microsoft Certified : Azure Fundamentals   **Microsoft Certified : Introduction to Python**

NPTEL : Fundamental Algorithms - Design and Analysis   **Cisco : Python essentials**