

CHERRISMAA MUCHARLA

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Career Objective

Detail-oriented and adaptable Software Engineer passionate about developing scalable full-stack applications and intelligent systems. Skilled in python JavaScript, backend deployment with proven ability to deliver high-performance solutions in Agile environments. Seeking to leverage technical expertise and problem-solving skills in a challenging, growth-focused role.

Education

Bachelor of Technology in CSE - Internet of Things (IoT)

2020 - 2024

Malla Reddy Engineering College

CGPA: 8.45

Experience

Path Creators | Front-end Developer Intern

May 2024

Led a team of 4 to deliver a full-stack Python - MySQL project 25 percent ahead of schedule, improving efficiency by 30 percent through optimized queries and modular design.

Troubleshoot UI/DB integration issues to ensure seamless performance, reducing runtime errors by 40 percent.

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 design with dynamic product pages, interactive checkout/contact forms, enforced CORS and OTP-based email verification using Nodemailer and MongoDB for secure data storage.
- Ensured SEO friendly structure, a strong 96/100 PageSpeed Insights score for smooth and best user experience.

Smart Save Money - HTML, CSS, JS, Bootstrap, WhatsApp Integration

Jun 2025

- Designed and developed a full stack movie ticket booking website. Focused on creating an innovative, responsive UI with WhatsApp integration enabling real-time booking confirmations.

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.
- Applied Naive Bayes, SVM, Decision Tree, ANN algorithms .Utilized SQL 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

Programming Languages: Python, JavaScript, SQL, HTML5, CSS3

Databases: MongoDB, MySQL

Frameworks and Libraries: Fast API, Node.js, Express.js, Bootstrap 5, RESTful APIs, OpenCV

Concepts: Agile/Scrum, CI/CD Pipelines, SEO, API Integration, OOP, Data Structures Algorithms

Achievements

- Second place winner in the Vishesh 2021 Project Expo organized by MREC.
- Organized Dew Arcade (college gaming event) with 100 percent participant satisfaction.
- Led development teams during internships and project sprints, driving collaborative delivery

Certifications

Microsoft Certified : Azure Fundamentals

NPTEL : Fundamental Algorithms - Design and Analysis

Microsoft Certified : Introduction to Python

Cisco : Python essentials