PUNYASHREE

punyashree602@gmail.com • Punyashree-4143 · GitHub • Bangalore • 🌐 Portfolio

Summary

Computer Applications graduate and current MCA student with a foundational understanding of programming, databases, and software development. Committed to learning and growing in the IT field with a sincere interest in contributing to real-world projects. Reliable, adaptable, and motivated to begin a career in a reputable IT company where I can apply my knowledge, gain practical experience, and develop professionally.

Education

Bangalore Institute of Technology, Bangalore
12/2024 - Present

Master of Computer Application, CGPA: 9.5(1st year)

JSS College of Arts, Commerce and Science, Mysore
10/2021 - 07/2024

Bachelor of Computer Application, CGPA: 9.16

Skills

Languages: JavaScript, Python, Java

Web Technologies: HTML, CSS, React.js

Backend & APIs: Node.js, Flask, RESTful APIs

Databases: MYSQL, MongoDB

Certification

Certificate Training for the Bolt IoT's Web Development training, Nov 2023

Introduction to Data Science from Infosys Springboard, 2025

Oracle Database Administration from Zero to Hero - L&T EduTech

IBM DevOps and Software Engineering - IBM, Coursera

Projects

AI-Powered Precision Agriculture Advisor

Developed a web-based intelligent decision-support system using AI and Machine Learning to assist farmers with crop recommendation, yield prediction, leaf disease detection (CNN), irrigation planning, and real-time weather forecasting. Integrated multiple ML models and live data sources to enable data-driven, sustainable agricultural decision-making.

Event-Driven Real-Time Hyperlocal Commerce Orchestration System

Designed and deployed a full-stack hyperlocal commerce platform with real-time order orchestration, WebSocket-based inventory synchronization, and role-based dashboards for customers, vendors, and delivery partners. Leveraged an event-driven architecture to manage the complete order lifecycle with low-latency updates and reliable state transitions.

AI-Based Code Quality and Security Analysis System

Designed and developed an AI-assisted static code review system that analyzes source code for security, maintainability, and correctness issues using AST-based Python analysis, heuristic JavaScript analysis, and generic multi-language rules. Implemented multi-file project-level analysis, risk scoring, and policy-based decision gates (PASS/WARN/BLOCK) with transparent decision traces.

Publications

International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE) - https://ijarcce.com/papers/ai-powered-precision-agriculture-advisor/

AI- Powered Precision Agriculture Advisor

Proposed an AI-based precision agriculture advisory system integrating crop recommendation, yield prediction, plant disease detection, irrigation planning, and market price forecasting using machine learning, deep learning, and real-time weather data to support data-driven farming decisions.