

YELLAMANDALA SAMEER

+91-6303155456 [Gmail](#) [Linkedin](#) [GitHub](#)

Education

Indian Institute of Information Technology and Management

B.tech in Computer Science and Engineering, CGPA: 7.8

August 2023 – May 2027

Gwalior, Madhya Pradesh

Relevant Coursework

- Computer Networks
- Machine Learning
- Data Structures and Algorithms
- Object Oriented Programming
- Database Management Systems
- Operating Systems

Projects

Smart-AI-Chatbot-with-PDF-and-Web-Search | *Langchain, Langgraph, FAISS, Hugging Face* November 2025

- Built an AI chatbot that answers questions from PDF documents, Wikipedia, and normal conversation.
- Implemented document search using FAISS for fast and accurate PDF-based question answering.
- Used LangGraph with conversational memory to maintain context across multiple user interactions.
- Developed an interactive Streamlit interface with real-time response flow and status updates.

Course Management API | *Node.js, Express.js, MongoDB*

May 2025

- Developed modular and scalable RESTful APIs for user registration, authentication, course creation, and enrollment using Express.js and Mongoose, following clean architecture principles.
- Secured access with JWT authentication and role-based authorization for students and admins.
- Designed efficient MongoDB schemas and optimized queries, improving response time for course data by up to 50ms
- Leveraged full-stack technologies to deliver a robust, scalable solution aimed at empowering the farming community with accessible agri-tech tools.

Grocery-management-system | *Ops, Cpp*

April 2024

- Built a Product Management System enabling inventory management, stock updates, billing, and automated sales reports.
- Designed a Manager module to handle employee on boarding, leave tracking, salary computation, and monthly performance reports.
- Implemented profit and expenditure tracking by computing total sales revenue and subtracting staff salaries to determine accurate net income.
- Developed a validation framework for case-insensitive input handling and data consistency, improving system reliability.

Achievements

- Solved 1000+ Data Structures and Algorithms problems across platforms: **LeetCode, GeeksforGeeks**
- Achieved a competitive rating of 1750 on **LeetCode**
- 3 star coder in **CodeChef**
- Secured 2nd prize in TechTussle at IIITM Gwalior, demonstrating competitive technical excellence

Skills

Languages: C/C++, Python, SQL, JavaScript

Technical Skills: HTML, CSS, Bootstrap, React.js, Node.js, Express.js

AI/ML Skills: Gen-AI, LangChain, Langgraph, Hugging Face, RAG Pipelines, FAISS, Model Deployment, NLP

Database Systems: MySQL, PostgreSQL, MongoDB, Neo4j, Pinecone

Developer Tools: VS Code, Post Man, Git, Jupyter Notebook, Latex, Canva

Soft Skills: Time Management, Adaptability, Leadership, Punctuality

Leadership & Extracurricular Activities

Student Activity Council - Executive

- Acted as a liaison between 500+ students and administration, addressing concerns, influencing campus policy, and leading student-led initiatives and events in coordination with diverse campus clubs.

Core Team Lead, Infotsav (Annual Techno - Managerial Fest)

- Directed the acquisition of strategic sponsorship partnerships, negotiating contracts with 10+ sponsors that enhanced brand visibility; established a framework for future sponsorship engagements that streamlined outreach processes.
- Managed 50+ cross-functional teams to ensure a seamless experience for participants.