

# YELLAMANDALA SAMEER

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## Education

**Indian Institute of Information Technology and Management**

**August 2023 – May 2027**

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

*Gwalior, Madhya Pradesh*

## Relevant Coursework

- Computer Networks
- Data Structures and Algorithms
- Database Management Systems
- Machine Learning
- Object Oriented Programming
- 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** | *Oops, 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.