

Chelluri Sai Vishal

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LinkedIn | GitHub | LeetCode

Professional Summary

Full-Stack MERN Developer with hands-on experience building and deploying end-to-end web applications using React, Node.js, Express, and MongoDB. Strong in backend API development, authentication, database design, and production deployments. Comfortable integrating AI-powered features such as chatbots and retrieval-based systems into web applications.

Technical Skills

Frontend: React, HTML5, CSS3, JavaScript

Databases: MongoDB, MySQL

Backend: Node.js, Express.js, REST APIs, JWT Authentication

AI / ML (Supporting Skills): Python, Scikit-learn, LangChain, RAG Pipelines

Tools & Platforms: Git, GitHub, VS Code, Vercel, Streamlit

Foundations: Data Structures and Algorithms (Basic)

Projects

Student Late Tracking System — Full-Stack MERN Application

Sep 2025 – Present

Live Demo | GitHub

- Built a production-ready web application for student late-entry tracking and automated fine calculation used in real academic workflows.
- Digitized manual attendance workflows, reducing manual administrative effort through automation.
- Implemented role-based access control for Super Admin, Admin, and Faculty using JWT authentication.
- Developed 20+ RESTful APIs and optimized MongoDB schemas using indexing and aggregation pipelines.
- Deployed frontend and backend on Vercel with scalable architecture and fast response times.
- **Tech Stack:** React, Node.js, Express.js, MongoDB, JWT, REST APIs, Vercel

Hostel Management System with AI Chatbot

GitHub

- Developed a web-based hostel management platform with room allocation and complaint tracking.
- Integrated an AI-powered chatbot to automate common student queries and support requests.
- **Tech Stack:** Django, HTML, CSS, JavaScript, Gemini API

SmartRAG — Document-Aware AI Assistant

GitHub

- Built a Retrieval-Augmented Generation (RAG) system for document-based question answering.
- Implemented document ingestion, chunking, embeddings, and vector-based retrieval pipelines.
- **Tech Stack:** Python, LangChain, FAISS, Streamlit

Experience

Machine Learning Intern — Edunet Foundation (AICTE Approved)

Jun 2025 – Jul 2025

- Built multi-output machine learning models to predict water quality parameters.
- Evaluated models using R^2 score and Mean Squared Error (MSE).
- Deployed end-to-end prediction pipelines using Streamlit.

AI & Automation Extern (RAG Systems) — Outamation

May 2025 – Jul 2025

- Built document-aware AI systems using Retrieval-Augmented Generation (RAG) pipelines.
- Worked on improving retrieval accuracy and response relevance using vector databases.

Education

Anil Neerukonda Institute of Technology & Sciences (ANITS)

B.Tech in Computer Science & Engineering (AI & ML)

CGPA: 8.43 / 10

2023 – 2027

Tirumala Junior College

Intermediate (MPC) — 88.3%

2021 – 2023

Tirumala E.M High School

SSC — 100%

2020 – 2021

Certifications

- Certifications in Generative AI (Simplilearn), CNNs with TensorFlow: Basics of Machine Learning (Coursera), Django Web Applications Development (Skillsoft), and Python Fullstack App Development with ChatGPT(Coursera).

Extra-Curricular Activities

- **Coordinator — Street Cause ANITS** (Feb 2025 – Jul 2025): Led and organized social initiatives including donation drives, educational outreach, and environmental activities, strengthening leadership and coordination skills.
- **Volunteer — Street Cause** (Feb 2024 – Feb 2025): Actively participated in community service initiatives such as donation drives and social welfare programs.
- **Class Representative — ANITS** (Dec 2023 – Jun 2025): Acted as a liaison between students and faculty, ensuring smooth academic communication and feedback exchange.