

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology Indore	8.25 (Current)	2024-Present
Senior Secondary	CBSE Board	96.2%	2024
Secondary	ICSE Board	97.2%	2022

PROJECTS

- IITIBOT**
IITISOC, IIT Indore
– Made an online chatbot able to answer complex queries about the IITI campus
– Comprised a RAG pipeline connected to an extensive multi-agentic system
– Complete with a frontend and deployed by dockerising and hosted on Vercel and Render
– Project awarded Bronze medal in AI/ML domain
 - API for Financial Analysis**
Independent Project
– Built a FastAPI backend with JWT auth, PostgreSQL, and Redis caching.
– Created endpoints for user auth and financial indicators (SMA, EMA, MACD, etc.).
– Implemented rate limiting and tiered access using Redis.
– Used modular structure with Pydantic, OAuth2, and clean separation of concerns.
 - Hallucination Detection in LLMs**
Prof. M. Tanveer, Department of Mathematics, IIT Indore
– Working on implementing new techniques to detect hallucinations in LLMs
– Studied various Research Papers on Deepseek-R1 and fine-tuning as part of the project

May 2025 - Jul 2025

GitHub

Jul 2025

GitHub

May 2025 - Present

TECHNICAL SKILLS

- Programming Languages:** Python, C/C++, JavaScript, TypeScript, Java*
 - Machine Learning & AI:** PyTorch, scikit-learn, Keras, TensorFlow, LangChain, Pathway, Hugging Face Transformers, FAISS, Groq API, MCP
 - Backend Development & DevOps:** FastAPI, Node.js, PostgreSQL, MySQL, Redis, Docker, OAuth2, JWT, RESTful APIs
 - Frontend Development:** React, Vite, Tailwind CSS, shadcn/ui, Leaflet.js
 - Data Science & Visualization:** pandas, NumPy, polars*, matplotlib, seaborn
 - Tools & Ecosystem:** Git, GitHub, Linux, Streamlit, Gradio, Jupyter, uv
 - Operating Systems:** Linux, Windows
- * Elementary proficiency

KEY COURSES TAKEN

- Mathematics:** Linear Algebra, Calculus 1 & 2, Differential Equations 1 & 2, Complex Analysis, Discrete Mathematical Structures
 - Computer Science:** Computer Programming, Data Structures and Algorithms, Database and Information Systems, Mathematics in AI/ML, Logic Design

POSITIONS OF RESPONSIBILITY

- Coordinator**, CSESA, IIT Indore
 - Member**, Cynaptics Club, IIT Indore
 - Content Lead**, GDG IIT Indore

Apr. 2025 - Present

Feb. 2025 - present

Feb. 2025 - Present

ACHIEVEMENTS

- 2nd Runners up**, IITISoC, IIT Indore
 - AIR 1330**, JEE Advanced
 - AIR 2988**, JEE Mains
 - Runners up**, Word wars, DebSoc, IIT Indore

2025

2024

2024

2025