

MIHIR KRISHNA PANJIKAR

mihirpanjikar@gmail.com | +91 9322756581 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)
Bangalore, Karnataka (560037) | Goa (403802)

SUMMARY

Pursuing a Diploma in Data Science from Indian Institute of Technology, Madras, strengthening my knowledge in data-driven problem solving and advanced analytics. Detail-oriented Backend Developer and GenAI Enthusiast with a bachelor's in computer applications, believe in building robust, scalable, and intelligent systems using modern technologies. A strong foundation in Python, FastAPI, SQL, MongoDB, and a focus on creating efficient, modular, and easy-to-maintain backend architectures. Hands-on experience building microservices, implementing RAG and integrating LLMs for context-aware applications, and building intuitive user interfaces using Streamlit.

WORK EXPERIENCE

Data Science Intern

May 2026 – Present

Express Analytics

Backend Developer Intern | [Certificate](#)

Jul 2024 – Mar 2025

IndoriCoders

- Backend Development: Wrote RESTful API for the website, focusing on robust and efficient solutions
- Microservices Architecture : Built customized, role-specific features for user and admin accounts.
- Database Management: Created and managed databases for development environments
- Model Integration: Integrated Groq and FastAPI for rapid LLM inference (Llama), optimizing response accuracy and relevance through targeted prompt engineering.

PROJECTS

Legal Document Simplification System (LDSS) | [Repo](#) | [Live](#)

Dec 2024 – April 2025

- Simplified legal documents in real-time, improving legal access for laypersons
- Locally hosted LLM (DeepSeek v1) using Ollama for offline and secure inference
- Deployed a seamless Streamlit-based UI, bridging the gap between local backend AI processing and end-user workflows.

EduQuery | [Repo](#) | [Live](#)

Mar 2025 – April 2025

- GenAI-powered chatbot for students to interact with a subject-specific knowledge base using Streamlit, Sentence Transformers and Ollama
- Implemented RAG-based (Retrieval-Augmented Generation) architecture for accurate and context-aware responses
- Architected a scalable vector database using [Sentence Transformers and FAISS] to efficiently index and retrieve high-dimensional document embeddings.

SKILLS

Languages: Python, SQL

Frameworks: FastAPI, LangChain, LangGraph, Django, Flask, React

Libraries: Streamlit, SentenceTransformers, Pandas, Numpy, Seaborn

Tools: Colab, Docker, Ollama, VS Code, Git

Databases: MySQL, MongoDB

Vector DBs Techs: FAISS, Chroma

GenAI Techs: Open source and paid LLMs (Llama 3, DeepSeek r1, GPT), Groq for inference

Deployment: GCP, AWS, Azure, GitHub Actions, Render

Soft Skills: English, Hindi, Marathi, Problem-solving, Adaptability, Critical-thinking

EDUCATION

Indian Institute Of Technology Madras (IIT Madras)

Tamil Nadu

Diploma In Data Science

2025 – Pursuing

M.E.S. Vasant Joshi College of Arts & Commerce (Goa University)

Goa

Bachelor of Computer Applications: CGPA: 9.53

2022 – 2025

ACHIEVEMENTS

- Consistently ranked first for all semesters while pursuing a Bachelor of Computer Applications at M.E.S. Vasant Joshi College, demonstrating academic excellence and dedication.
- Elected Debating Secretary, managing a team of 14 peers to organize college-level events with up to 100+ attendees.
- Spearheaded a collaborative team as Project Lead for the BCA final-year capstone, overseeing the end-to-end development lifecycle.

CERTIFICATES

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|---|------------|
| Python for Data Science, AI and Development Link | Jul 2024 |
| • Learned using Python libraries such as Pandas, Numpy, BeautifulSoup and Jupyter Notebooks. | |
| Google Cloud GenAI Study Jams Link | Jun 2024 |
| • Gained proficiency in Generative AI fundamentals and developed interactive AI applications utilizing the Gemini API and Streamlit. | |
| Google Cybersecurity Professional Certificate Link | April 2024 |
| • Learned about core security concepts, different security domains, how networks are structured and secured using various methods. How to detect incidents and respond. | |
| Google Cloud Computing Foundations and Generative AI Link | Feb 2024 |
| • Provisioned and managed cloud resources, executed foundational infrastructure tasks, and built secure networks utilizing core cloud computing principles. | |