VIKAS MOURYA

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Education

Thakur College of Engineering and Technology   **2022 - Present**
Bachelor of Engineering in Information Technology   *Mumbai, Maharastra*

Technical Skills

Languages: Python, C++, C.

Tools and Deployment: AWS, Postman, Render, streamlit.

Databases: PostgreSQL, Mysql, Vectorstore/VectorDB.

Frameworks/Technologies: Django, Flask, FastApi, Machine Learning, Artificial Intelligence, GenAI.

Projects

Insightify | *IIT Jodhpur Hackathon* | **GitHub**   **January 2024**
- Secured 1st place in DEVQUEST Hackathon, demonstrating exceptional problem-solving skills and innovation.
- Curated and refined raw data for seamless front-end integration.
- Led project presentations with a focus on strategic vision and technical depth.

Morpheus | *Python, Django* | **GitHub**   **January 2025**
- Developed a Google Forms-like application using Django Templates and DRF, ensuring modular and scalable code.
- Created a structured folder system to enhance maintainability and modularity.
- Enabled seamless form creation, submission, and analysis through an intuitive user interface.

StudyRAG | *Python, FastAPI, Lang Chain, Streamlit* | **Github**   **March 2025**
- Developed a RAG-based application to process and analyze study materials such as DOCs, PPTs, and PDFs.
- Empowered 50+ active users to upload documents and generate a comprehensive answers from the parsed questions.
- Optimized document parsing using LangChain, streamlined backend with FastAPI, and enhanced user experience through Streamlit.

Experience

Vighnotech   **July 2024 – January 2025**
AI Backend Intern   *Mumbai, Maharashtra*
- Collaborated with cross-functional teams to implement AI in IMS, CRM, and mobile applications.
- Developed custom RAG-based applications from scratch using Scrapy and FastAPI, storing data in a vector database for optimized retrieval.
- Built a MultiAgent system for chatbot applications, integrating multiple functionalities into a single solution.
- Enhanced system performance and scalability by optimizing backend architecture and data pipelines.

Jurisphere   **March 2024 – April 2024**
Software Engineer Intern   *Mumbai, Maharashtra*
- Improved RAG-augmented AI capabilities by refining data curation and processing pipelines.
- Utilized Scrapy and other Python frameworks to scrape dynamic and static websites efficiently.
- Automated daily report generation, enhancing team productivity and data insights.
- Explored startup dynamics and contributed to enhancing AI-driven workflows.

Achievements

∗ Participated in many 24 hour Offline Hackathons.
∗ Volunteered and actively participating for many technical sessions.
∗ Actively solving DSA questions across platforms like Leetcode, codechef, hackerrank, GFG.