Aniket Vishwakarma

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• Leetcode

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EDUCATION

•**Jabalpur Engineering College**   *2021-25*

Bachelor of Technology in Artificial Inellegence and Data Science   CGPA: 7.6

EXPERIENCE

•**AI Engineer (Intern)**   *October 2024 - Present*

INeuron.ai   Onsite
- Developing a speech-to-text, **improving transcription accuracy by 20%** and reducing manual transcription time by 30%.
- Deployed the speech-to-text system on AWS, **achieving 99.9% uptime** and reducing operational costs by 15%.

•**Head Coordinator (E - CELL)**   *April 2024*

Jabalpur Engineering College   Onsite
- **Managed a team of 15 to organize 5+ events**, increasing student engagement in entrepreneurial activities
- Developed initiatives that boosted student participation in innovation challenges.

•**Rajasthan IT day (Hackathon)**   *March 2023*

Rajasthan Government
- Designed a model to optimize fuel consumption, achieving a potential **savings of up to 10%** in preliminary testing.
- Learned Networking and pitching projects

PROJECTS

•**AI-Powered SQL Query Generation (Gemini and SQL)**

Developed an application utilizing Google's Gemini model to convert natural language queries into SQL

- Convert user questions into accurate SQL queries, **optimizing database interactions** and data accessibility.
- Allows users to input queries, upload Excel files, and preview data before ingestion.
- Technology Used:GenAI,SQLite3,Pandas

•**Remote Proctoring System with Real-Time Facial Landmark Detection (OpenCV)**

Engineered a proctoring system for tracking facial landmarks to enhance cheating detection accuracy.

- Developed an **application to leverages facial** landmarks to monitor eye, mouth activities
- Utilized metrics to detect suspicious activities, **enhancing the accuracy of remote proctoring systems**.
- Technology Used: Python,OpenCV,Dlib,Machine Learning

•**RAG Document With Groq And Lama**

Document Q&A powered by RAG with Groq and Lama for precise retrieval-based responses.

- Engineered **Retrieval-Augmented Generation system** to enable interactive Q&A from uploaded PDF and text documents.
- Utilized LangChain for efficient document ingestion, chunking, and retrieval to **enhance the accuracy of query responses**
- Integrated OpenAI Embeddings and FAISS to create a scalable vector database, achieving **high-speed document similarity searches with low latency**.
- Technology Used: LangChain,ChatGroq,FAISS,Python

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++,Python,SQL

Data Analytics and Visualization:NumPy, Pandas, EDA, PowerBI, MS Excel, SQL, Matplotlib, Seaborn

Deep Learning:NLP, LSTM , CNNs, RNNs, TensorFlow, Keras, Neural Networks, Hugging Face, Transformers, BERT, GPT, Pytorch, OpenCV

Gen-AI:LLMs, GANs, Langchain, Llama Index, Gemini Pro, LangGraph, RAG

MLOps:Model Deployment, Monitoring, Automation, AWS Sagemaker, AWS S3, AWS EC2, AWS Lambda , CI/CD for ML, Docker, Azure, GCP, Github, MLflow.

ACHIEVEMENTS

• **GATE 2024 Qualified**

• **Certified ML Mentor**

• **LeetCode 250+ question**

• **Hackathon Semi-Finalist**