PRAKHAR SRIVASTAVA

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ABOUT ME

I am a results-driven Python Developer with hands-on experience in building AI-powered applications using Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), and Generative AI. I specialize in designing robust backend systems for intelligent document retrieval, transcript extraction, summarization, and conversational AI platforms.

With a strong foundation in Python, data processing, and model integration, I have worked on end-to-end AI solutions in collaborative and fast-paced environments. I enjoy transforming complex data and AI concepts into scalable, real-world applications that deliver meaningful impact.

EDUCATION

B.Tech in Computer Science, GLA University, Mathura - 8.11

Intermediate, Mata Kasturi Devi Public School, Delhi - 89%

High School, St. Peter's College, Agra - 89%

EXPERIENCE

2024 - 2025

SynapseIndia

Python Developer

Results-driven Python Developer with hands-on experience in building AI-powered applications using Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), and Generative AI. Proven expertise in designing backend systems for intelligent document retrieval, transcript extraction, summarization, and conversational AI platforms. Strong proficiency in Python, data processing, and model integration, with experience working on end-to-end AI solutions in collaborative, fast-paced environments. Adept at translating complex data and AI concepts into scalable, real-world applications

PROJECTS

- **ArchivAI Smart Bot**

  ArchivAI Smart Bot is a Retrieval-Augmented Generation (RAG) based system designed for secure, context-aware document retrieval. It allows users to query large document repositories and receive accurate, relevant responses using LLaMA-based LLMs. Tech Stack Used: Python, Django, Django REST Framework, REST APIs, RAG Architecture, LLaMA Models, LangChain,LlamaIndex, OpenAI APIs, Sentence Transformers, PostgreSQL, Redis, JWT Authentication, Azure OCR & Document Parsing, Prompt Engineering, React.js, Tailwind CSS, Axios, JWT Authentication, File Upload Handling, Chat UI, Markdown Rendering, Responsive Design.

- **Aware ai**

  Aware.ai is a web platform that extracts transcripts from U.S. mayor and city council meeting videos hosted on YouTube, generates concise summaries, and allows users to chat with previously stored meeting data on their profiles. Tech Stack Used: Python, Django, REST APIs, LLMs, LangGraph, LangChain, YouTube API, OpenAI APIs, RAG Architecture, Vector Databases (ChromaDB), Sentence Transformers, PostgreSQL, Redis, Celery, JWT Authentication,Prompt Engineering, Semantic Search, React.js,Tailwind CSS / Material UI, React Query, Axios, JWT Authentication, Chat Interface,User Profile UI, Transcript Viewer,Responsive Design.

SKILLS

- Python
- Django
- Flask
- Numpy
- Tensorflow
- React
- Html

- OpenCv
- NLP
- Machine Learning
- Generative AI
- Javascript
- Tailwind css

- LLMs
- LLaMA Models
- Conversational AI & Chatbot Development
- OpenAI API Integration

- RAG
- RestAPI
- FastAPI
- sklearn
- Keras

- Elasticsearch
- BeautifulSoup
- PostgreSQL
- LangChain / LangGraph