PRACHI KUMBHKAR

AI and Data Science Engineer, *Bestpeers Infosystem (May 2024-present)*

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PROFESSIONAL SUMMARY

Results-driven AI and Data Science Engineer with experience in designing and deploying pipelines. Skilled in Python, AWS, and containerized environments, with a focus on automation, data processing, and model evaluation.

TECHNICAL SKILLS

- **Programming Language:** Python, SQL
- **AI and ML**: LLMs (GPT, Claude, Titan), NLP, RAG, LangGraph, ML models, Regression, Deep learning. **GenAI Tools:** OpenAI, Hugging Face, Ollama, DeepEval, LangChain, Prompting, **n8n**.
- **Cloud Platforms**: AWS (S3, Lambda, Bedrock, ECR, ECS,Cloudwatch, EventBridge, Sagemaker, AWS Bedrock, Step Functions)
- **DataBase:** Postgresql, Mysql, vectorDB
  Soft Skills: Strong Communication and Presentation Skills,
  Team Collaboration.

PROJECT

GenAI Patient Summarization System

Collaborated with a team to build a GenAI pipeline that generates clinical summaries from EMR data

- Leveraged LLM and fine tune using prompt.
- Developed Lambda functions to fetch EMR data via API Gateway and store it in S3.
- Helped design an event-driven flow where S3 triggers ECS containers running LangGraph-based LLM logic.
- Integrated DeepEval to score summaries and implemented a refinement loop for low-quality outputs

EXPERIENCE

- Developed a GenAI pipeline to process Excel files, transforming natural language queries into executable pandas code using Gemini and generating summaries and insights.
- Built an LLM-powered workflow using **LangGraph**, **SQL agent**, and **n8n** to generate and execute GPT-4-based SQL queries over Excel datasets.

Education

Msc in Data Science and Analytics (2022-2024)