KAVYA CHOUGULE

kavyachougule8@gmail.com   —   +91 7841886170   —   Navi Mumbai, Maharashtra   —   in ☺

Professional Summary

AI/ML Data Analytics enthusiast with a strong foundation in Python, SQL, Machine Learning, and ETL pipelines. Experienced in building LLM-powered RAG applications, and MLOps workflows. Passionate about using analytics, automation, and AI to drive business intelligence and intelligent decision systems.

Education

PG-Diploma in Big Data Analytics, C-DAC, Kharghar   Aug - Present

B.E. in Electronics, Jain College of Engineering, Belgaum   8.8   —   June 2025

Class XII, GSS, Belgaum   91.0%   —   May 2021

Class X, Rani Laxmibai Girls Sainik School, Pune   89.9%   —   Apr 2019

Skills

- **Languages:** Python, SQL, Java, C
- **Data & ML:** ETL/ELT, PySpark, Databricks, EDA, Regression, Classification, Feature Engineering
- **LLMs & NLP:** LangChain, RAG, Vector Databases
- **Tools:** Pandas, NumPy, Matplotlib, Seaborn, Git, Docker
- **Cloud:** AWS

Projects

HR Compliance Analytical Agent (Multi-Source RAG) — Python, RAG, LLMs

- Designed a multi-agent RAG system for HR compliance that handles both unstructured policy documents (PDF) and structured HR datasets (CSV/Excel) for analytical querying.
- Implemented an intelligent router agent that classifies user intent and dynamically selects between a Text RAG and a Tabular RAG pipeline for accurate, context-aware responses.

AI-Driven Financial Risk & Spending Behavior Analyzer (MLOps Pipeline) — Python, MLflow, Docker

- Built an end-to-end ML pipeline for financial risk and spending behavior analysis, including data preprocessing, model training, evaluation, and prediction workflows.
- Integrated experiment tracking and model versioning using MLflow, and containerized the inference service using Docker for reproducible deployment.

Credit Card Spend Analytics (ETL Data Pipeline) — Python, Databricks, PySpark

- Built an end-to-end ETL pipeline to process raw credit card transaction data using PySpark on Databricks for large-scale data transformation.
- Cleaned, transformed, and aggregated spending data to derive customer behavior insights and analytical metrics.

Achievements

- Published a research paper in IEEE Xplore (ICECCC 2024)
- Senior Under Officer, Air Wing NCC — 3 years of leadership and discipline training

Certifications

- AWS Academy Graduate – Cloud Foundations (AWS Academy)
- Databricks Fundamentals Accreditation (Databricks Academy)