Aryan Kumar

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SUMMARY

A Computer Science undergraduate with practical experience in Python, SQL, Data Engineering, and GenAI. Skilled in applying ML and Big Data techniques and leveraging AWS to build scalable solutions that solve real-world problems and deliver business value.

PROJECTS

Google Capstone Project *[Visit]*

SQL, Tableau

· **Performed exploratory data analysis (EDA)** on 5.8 million+ ride records using SQL, uncovering key behavioral patterns to drive membership conversion strategies.

· **Developed and deployed Tableau dashboards** to visualize user behavior trends and membership patterns, improving stakeholder access to insights. Performed engagement analysis using R.

Amazon Review Sentiment Analysis *[Visit]*

Python, NLP, Transformers, Hugging Face

· **Developed sentiment analysis model** Classified 50,000+ Amazon reviews using VADER and Hugging Face RoBERTa, achieving 23% higher accuracy over baseline methods.

· **Visualized sentiment trends** Created 8+ Python visualizations with Matplotlib and Seaborn to compare lexicon-based vs transformer-based approaches.

E-COMMERCE with PYTHON and SQL *[Visit]*

SQL: MySQL, Python: Pandas, NumPy, Matplotlib, Seaborn

· **Executed complex SQL queries on a database of 500,000+ orders,** identifying revenue trends and customer distribution across 100+ cities.

· **Worked on 10+ interactive visualizations using Matplotlib and Seaborn** and product performance trends, improving stakeholder decision-making efficiency by 30 percent.

Cold Mail Generator (GenAI) *[Visit]*

Python, Llama 3.1, ChromaDB, LangChain, Streamlit

· **Engineered an AI-powered email generation tool** using Llama 3.1, LangChain, and ChromaDB for prompt chaining and vector search. Deployed with Streamlit.

· **Implemented intelligent data retrieval mechanisms** Optimized vector-based storage and retrieval, boosting content relevance and quality scores by 85%.

CERTIFICATIONS

· **Career Essentials in Data Analysis by** Microsoft & LinkedIn

· **AWS** Fundamentals

EDUCATION

· **Bachelor of Technology in Computer Science and Engineering**

SRM University, Andhra Pradesh, Cumulative CGPA: 8.06/10 (current) 2022 - 2026

· **Senior Secondary Education (Class XII)**

Cambrian Public School, Grade: 76 2021

· **Secondary Education (Class X)**

St. Xavier's School, Grade: 75 2019

SKILLS

· **Technical Skills:** Python (Pandas, NumPy, Matplotlib, Seaborn), R, Tableau, Power BI, Excel, Google Sheets, SQL, AWS(EC2), React.js, Git, GitHub, Postman, GenAI, Machine Learning, NLP, ChromaDB, Langchain, Streamlit, Docker, Spark / PySpark, Scikit-Learn, TensorFlow, PyCharm

· **Soft Skills:** Team Collaboration & Communication, Emotional Intelligence, Problem-Solving

ACHIEVEMENTS

· **Hirrd: Job Portal (Hackathon Winning Project) :** Programmed a scalable job portal with secure authentication.

· **Deloitte Data Analytics Virtual Internship** Completed self-paced Forage simulation using Excel and Power BI.