VINAYAK K V

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LinkedIn | **Portfolio** | **GitHub**

SUMMARY

Entry-level Data Scientist and Machine Learning Engineer with a BCA degree and strong skills in Python, SQL, Machine Learning, NLP, and LLMs. Experience building and deploying AI solutions using FastAPI, Docker, Streamlit, Ollama, and AWS EC2. Focused on developing scalable, data-driven solutions that translate business requirements into measurable results.

EXPERIENCE

Data Science Intern

Cognifyz Technologies

08/2025 - 09/2025

- Enhanced data reliability for predictive modeling by collecting, cleaning, and preprocessing structured datasets to support enterprise-level data-driven decision-making
- Uncovered actionable business insights and trends by performing comprehensive Exploratory Data Analysis (EDA) and identifying data anomalies to guide strategic planning
- Improved prediction quality and model accuracy by designing machine learning models in Python and applying advanced statistical evaluation metrics
- Accelerated the delivery of predictive solutions by collaborating with cross-functional teams within an Agile workflow

PROJECTS

Customer Churn Prediction System

12/2025 - 01/2026

GitHub

Tech Stack: Python, XGBoost, FastAPI, Streamlit, Docker, CI/CD, Ollama

- Achieved approximately 85% accuracy in identifying at-risk customers by developing an end-to-end forecasting system using XGBoost
- Enhanced model interpretability for non-technical users by integrating Ollama (Gemma 2B) to generate natural language explanations of predictions
- Optimized deployment scalability by containerizing the application using Docker
- Automated production-ready releases by implementing a CI/CD pipeline with GitHub Actions
- Improved user engagement by deploying a real-time Streamlit UI integrated with an Ollama chatbot

InsightGenie – AI Powered Data Analysis Platform

09/2025 - 10/2025

GitHub

Tech Stack: Python, FastAPI, Pandas, Scikit-learn, React

- Reduced manual data analysis time by approximately 70% by building an AI platform that automates EDA and dataset health checks.
- Streamlined model selection by implementing automatic machine learning problem type detection and providing recommendations via Scikit-learn
- Increased performance for large-scale datasets through optimized data processing using Pandas and FastAPI
- Developed a responsive interactive UI using React, featuring drag-and-drop uploads and dynamic visualizations like heatmaps and scatter plots

SKILLS

Programming & Databases

Python,SQL,FastAPI

Machine Learning & Deep Learning

Scikit-learn, TensorFlow, Neural Networks, Model Evaluation, Supervised / Unsupervised Learning, NLP

Generative AI

LLMs, AI Agents, Prompt Engineering, Llama

Data Analysis & Visualization

Pandas, NumPy, Power BI, Matplotlib, Seaborn, MS Excel

Deployment & Tools

AWS(EC2), Docker,Streamlit, CI/CD Pipeline, Jupyter, Notebook, Git, GitHub

EDUCATION

Bachelor of Computer Applications (BCA)

Mahatma Gandhi University

08/2022 - 05/2025

Higher Secondary (Science)

St. Joseph's HSS | 82%

06/2020 - 05/2022

High School

St. Antony's HS | 88%

06/2019 - 05/2020

CERTIFICATIONS

AWS

- AWS Certified: Introduction to Generative AI (2026)

HackerRank

- HackerRank: SQL Advanced (2026)

Udemy

- Complete Data Science Bootcamp (2025)

TATA

- Data Visualization: empowering the business with effective insights (2025)

ACHIEVEMENTS

LeetCode Ranking

- Achieved 108th rank out of 6770 participants in LeetCode Weekly Contest 487

HackerRank Achievement

- Achieved Gold Badge in Python on HackerRank with a score of 415

GeeksforGeeks Contribution

- Solved 250+ Python and DSA problems on GeeksforGeeks, achieving a score of 266