

KUMARA N

Data Scientist

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Summary

Entry-Level Data Scientist skilled in Python, SQL, and machine learning, with experience building end-to-end predictive models and deploying interactive data applications. Proven ability to translate complex data into actionable insights and support data-driven decision making.

Skills

Programming & Querying: SQL, Python

Machine Learning & AI: Machine Learning, Predictive Modeling, Model Evaluation, Feature Engineering

Data Analysis & Data Visualization: Data Cleaning, Exploratory Data Analysis (EDA), Applied Statistics

Tools: NumPy, Pandas, Scikit-learn, Flask

Tools: Jupyter Notebook, VS Code, Git, Excel, Power BI

Experience

Data Science and Machine Learning Intern

Sep 2025 – Oct 2025

upSkill Campus (in collaboration with UniConverge Technologies [Remote])

- **Developed a time-series traffic forecasting model using XGBoost** to predict hourly vehicle volume across four major city junctions.
- Engineered advanced temporal features (hour, month, seasonal patterns, holiday and day-type indicators) to improve anomaly detection and forecast accuracy.
- Achieved an RMSE of approximately 8.5 on unseen data and deployed the model through an efficient MLOps workflow.

Projects

E-Commerce Customer Churn Prediction (Ensemble ML) | *Python, Flask, React*

Nov 2025 – Dec 2025

- **Built a 20,000 record synthetic e-commerce dataset** with demographic, behavioral, and transactional features.
- Performed detailed exploratory data analysis and feature engineering to identify key churn drivers.
- Developed and evaluated multiple ML models, deploying a high-performance stacked ensemble (Random Forest + XGBoost + CatBoost).
- Achieved 92.15% test accuracy with strong cherner identification (Class-1 Recall: 0.92).
- Created comprehensive Power BI dashboards and interactive reports to visualize churn patterns, customer segments, and trends by tenure, city tier, and satisfaction scores.
- Delivered an end-to-end solution using React Dashboard and Flask API for real-time predictions.

CineVerse Movie Recommendation System | *Python, Streamlit, TMDb*

May 2025 – June 2025

- Built a personalized movie recommendation system using Python and TMDb dataset.
- Implemented content-based filtering with robust preprocessing for accurate suggestions.
- Developed interactive Streamlit interface enabling users to select movies and view recommendations.
- Visualized insights including genre distribution, movie trends, and popularity scores.

Education

Master of Computer Application (MCA)

2024 – Present

Presidency University, Bengaluru, Karnataka

Bachelor of Computer Application (BCA)

2021 – 2024

Govt. First Grade College, Kadur, Chikkamagaluru, Karnataka

CGPA: 8.92 / 10

Certifications

- **IBM Data Science Professional Certificate** – Coursera
- **Data Analytics Essentials** – Cisco
- **Python for Everybody** – University of Michigan (Coursera)
- **Introduction to SQL** – Simplilearn