Rahul Veggilam

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Portfolio: https://rahulvportfolio.netlify.app/

Professional Summary

I'm currently pursuing a Master's degree in Data Science at B.K. Birla College, with an expected graduation in 2025. My studies focus on data analysis, statistics, and programming, and I'm passionate about applying these skills to solve real-world problems. I' m eager to gain practical experience through internships and projects, and I'm always on the lookout for opportunities to connect with professionals in the data science field.

Education

Master of Science in Data Science (2023 – 2025 | Expected 2025)
B.K. Birla College, Mumbai University

Bachelor of Information Technology (2020 - 2023)
B.K. Birla College, Mumbai University

Skills

- Programming & Data Analysis: Python, SQL, R, Pandas, NumPy
- Data Visualization: Tableau, Power BI, Matplotlib, Seaborn
- Machine Learning: Supervised & Unsupervised Learning, Regression, Classification, PCA
- Deep Learning: TensorFlow, Keras, Neural Networks, CNNs, RNNs, LSTMs
- Data Wrangling & Cleaning: Pandas, NumPy

Experience

Artificial Intelligence - Developer Intern SmartInternz & Google Developers (March 2024 - May 2024)

- Led the "Neural Network Ahoy: Cutting Edge Ship Classification for Maritime Mastery" project using VGG16 neural networks, achieving 89% accuracy.
- Analyzed datasets with Python, implemented machine learning models with TensorFlow and Keras.
- Automated workflows and processed data using OpenCV and Pandas.

Projects

Electricity Consumption Forecasting

- Utilized Random Forest Regressor to predict electricity demand using historical and weather data.
- Pre-processed and engineered features to capture temporal and weather patterns.
- Achieved RMSE of 6,196.02, MAE of 3,887.18, and R^2 score of 0.79 using optimal preprocessing methods.
- Tools: Python, Pandas, NumPy, scikit-learn, Matplotlib, Seaborn.

Diabetes Prediction

- Built a predictive model using Logistic Regression and Random Forest Classifier to classify diabetes presence.
- Conducted EDA and preprocessing, including correlation analysis and feature scaling.

- Achieved Logistic Regression Accuracy: 75.3% | Random Forest Accuracy: 75.3%.
- Tools: Python, scikit-learn, Matplotlib, Seaborn.

BBC Text Category Classification

- Implemented a text classification model using TF-IDF and Naïve Bayes to categorize BBC news articles.
- Performed text preprocessing, including tokenization, stopword removal, and vectorization.
- Achieved 92% accuracy in classifying articles into five categories
- Tools: Python, Scikit-learn, Flask, HTML/CSS.

Superstore Sales Dashboard

- Designed an interactive Power BI dashboard to analyze sales trends and performance.
- Integrated filters, slicers, and DAX calculations to provide insights into sales, profit, and regional performance.
- Enhanced decision-making by visualizing key business metrics.
- Tools: Power BI, DAX, Data Cleaning, Data Visualization.

Netflix Dashboard

- Developed a Tableau dashboard to analyze Netflix content trends and genre distribution.
- Visualized regional availability, content categories, and release trends for actionable insights.
- Improved data storytelling through interactive and dynamic visualizations.
- Tools: Tableau, Data Cleaning, Data Visualization.

Certifications

- L&T Machine Learning Certification (May 2024): Supervised & Unsupervised Learning, Regression Models.
- LinkedIn Learning Data Analyst Course: Tableau, Power BI, R, SQL, Python, Data Visualization.