Vinayak V Potty

Portfolio: https://vinayakvpotty.vercel.app/
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Location: Kochi, Kerala

SUMMARY

Detail-oriented Data Analyst with a strong background in data visualization, statistical analysis, and business intelligence. Proficient in SQL, Python, and Tableau, with experience in extracting insights from complex datasets to drive data-driven decision-making. Skilled in data cleaning, predictive modeling, and dashboard creation to enhance business efficiency. Having a great deal of experience working with cross-functional teams to translate business needs into actionable insights.

TECHNICAL SKILLS

- **Programming Languages**: Python, SQL, VBA
- **Data Visualization**: Power BI, Tableau, Matplotlib, Seaborn, Excel (Charts, Pivot Tables)
- **Databases**: MySQL, SQL Server, Google BigQuery
- **Statistical Analysis & Machine Learning**: Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch, Regression Analysis, Hypothesis Testing, A/B Testing, Predictive Modeling
- **ETL Tools**: Alteryx, SQL (Data Cleaning, Data Wrangling)
- **Version Control**: Git, GitHub
- **Business Intelligence**: DAX (Power BI), Microsoft Excel (Power Query, Power Pivot)
- **Soft Skills**: Leadership, Writing, Public Speaking, Time Management, Problem-Solving, Critical Thinking, Adaptability

EXPERIENCE

Luminar Technolab — Kochi, Kerala
Data Science Intern — *Dec 2024 - Present*

- Data Analysis and Visualization Performed exploratory data analysis (EDA) using Python, Pandas, and NumPy to extract insights from datasets.
- Dashboard Development Developed interactive dashboards using Tableau and Power BI to visualize key performance metrics.
- SQL Query Optimization Wrote and optimized SQL queries to manage and retrieve data efficiently from MySQL databases.
- Machine Learning Basics Gained exposure to machine learning models for predictive analytics and decision-making.

PROJECTS

- Global Water Quality and Public Health Risk Assessment Using SQL and Python : Analyzed a global dataset on water pollution and disease to identify regional disparities in water quality using advanced SQL queries and Python-based visualizations.   LINK
- Gemstone Price Prediction using Linear Regression : This project focuses on predicting the prices of gemstones based on various physical and categorical attributes using linear regression. It includes data cleaning, outlier handling, feature engineering, model training, and performance evaluation.   LINK
- Flight Price prediction : This project focuses on building a predictive model to estimate flight prices based on various features such as the airline, source and destination cities, departure and arrival times, number of stops, and travel class. The goal is to understand the key factors that influence ticket prices and to build a model that can provide reasonably accurate predictions. LINK

EDUCATION

- MG UniversityKottayam, India — *June 2011 – June 2014*
    Bachelor of Electronics and Communication — *CGPA:2.0*
- IHRDKollam, India — *December 2015 – December 2015*
    Post Graduation Diploma in Computer Application — *Percentage:83*

ACHIEVEMENTS

- Excel: Working Together with Power Query and Power Pivot
- Power BI Data Modeling with DAX
- Hacker Rank SQL Intermediate
- Career Essentials in Generative AI by Microsoft and LinkedIn
- Python Basics
- Generative AI