MANIKANTA CHELAMALLA

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OBJECTIVE

Aspiring Data Analyst with expertise in Python, SQL, and Machine Learning. Passionate about transforming raw data into actionable insights. Seeking an entry-level data analyst role to apply my analytical and visualization skills.

EDUCATION

Bachelor of Computer Science, Vaagdevi Engineering college	2021 - 2025
Intermidate, Sai Shivani Junior college	2019 - 2021
Schooling, SPR School of Excellence	2019

SKILLS

Programming:	Python, SQL, R
Data Analysis:	Pandas, NumPy, Excel, Statistics, EDA
Machine Learning:	Scikit-Learn, XGBoost, Regression, Clustering
Data Visualization:	Power BI, Tableau, Matplotlib, Seaborn
Databases:	MySQL, PostgreSQL, Google BigQuery
Other Tools:	Git, Jupyter Notebook, Google Sheets

EXPERIENCE

Quantium Data Analytics Job Simulation – Forage   December 2024
- Conducted uplift tests and customer analysis on transaction data using Python & SQL.
- Provided data-driven insights for commercial decision-making, improving revenue strategies.
- Prepared detailed reports with strategic recommendations, leading to a 10% sales increase.

North America Data Analytics & Visualization Simulation – Forage   December 2024
- Analyzed 7 datasets to identify content trends for a hypothetical social media client.
- Cleaned and modeled data using Pandas & SQL, providing strategic insights.
- Created Power BI dashboards & video presentations for stakeholders.

PROJECTS

Trip-Based Modeling of Fuel Consumption (ML Project)
- Developed a predictive model using **XGBoost** reducing prediction error by 20%.
- Examined **500,000+ vehicle trip records** to identify key factors influencing fuel efficiency.
- Optimized routes, reducing fuel costs by 10% and increasing energy efficiency by 15%
- **Tools:** Python, XGBoost, SQL, Matplotlib.

Walmart Sales Data Analysis (SQL)
- Processed 1M+ transactions to uncover sales trends and customer behavior.
- Identified high-performing products, leading to a 20% improvement in inventory management.
- Developed an automated SQL reporting system, reducing manual data analysis time by 30% and improving decision-making speed.

HR Analytics (Excel & Power BI)
- Designed interactive Power BI dashboards to analyze employee attrition trends, improving retention insights.
- Delivered HR teams with actionable insights, reducing employee turnover by 12%.
- Increased retention strategy efficiency by 30% through data-driven recommendations.

EXTRA-CURRICULAR ACTIVITIES

- Actively contributing to open-source projects and maintaining personal repositories on GitHub.
- Designed Precide Food, a personalized nutrition recommendation web app using AI & data analytics.
- Portfolio: mani28.vercel.app — GitHub: github.com/mani1028