SUBHAM MANGI

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EDUCATION

The University of Texas at Dallas **August 2024 - May 2026**
Master of Science in Business Analytics and Artificial Intelligence
Relevant Coursework: Business Analytics with R, Advance statistics, Data-Base foundation, Predictive Analytics, Machine Learning

Parul University of Engineering and Technology, Gujarat **August 2019 - May 2023**
Bachelor of Science in Information Technology
Relevant Coursework: Data Science, Data Base management system, Cloud Computing, Data Mining, Probability and Statistic

SKILLS

Databases: MS-SQL, MySQL, MongoDB, Oracle
***Programming languages*:** Python, SQL, C++, R, MATLAB, NoSQL
Tools& Software: *Jupyter Notebook, Microsoft Excel, MATLAB, Vs Code, Hadoop, SAP, Google Cloud, Airflow*
Data Visualization / ETL: Power BI, Tableau, Matplotlib, Hive, Seaborn, MS Excel, Data Modeling, Data Mining, Data Extraction

PROFESSIONAL EXPERIENCE

Digiflutters Technologies **July 2023 – June 2024**
Data Analyst *Gujarat, India*

- Developed and maintained over 10 advanced multi-layered dashboards in Tableau, integrating complex correlation matrices to track 15+ KPIs, which significantly enhanced stakeholder decision-making capabilities by 30%.
- Streamlined data workflows by optimizing SQL queries and leveraging Python automation scripts, reducing overall data processing time by 40%, thereby accelerating report generation and delivery to stakeholders.
- Analyzed and modeled stock market trends using advanced covariance matrices, successfully identifying 5+ critical market patterns that directly influenced trading decisions and strategic recommendations.
- Led and coordinated a team of analysts in implementing confusion matrices to assess and improve model performance, which resulted in a 20% increase in forecast accuracy.

PROJECTS

Stock Market Prediction and Forecasting Using PYTHON | ML

- Implemented covariance and correlation matrices to thoroughly analyze dependencies among over 20 financial indicators, effectively identifying patterns and relationships within the data, which significantly contributed to improving the model's predictive accuracy by **25%** for future market trends.
- Designed a fully interactive Power BI dashboard with matrix-based heatmaps, enabling stakeholders to visually interpret data relationships and market patterns, enhancing engagement and decision-making efficiency by 35%.

Dealership Analytics and Prediction Dashboard Using SQL | STREAMLIT

- Architected an interactive car dealership analytics dashboard using Streamlit, analyzing 5,000 data points to predict pricing trends and optimize inventory, improving data-driven decision-making.
- Carried out K-Means and Hierarchical Clustering on a dataset of 1,500 customer records, identifying key customer segments and enhancing targeted marketing strategies.

Obsessive-Compulsive Disorder (OCD) Patient Data Analysis Using SQL | POWER BI

- Engineered Leveraged SQL for data manipulation and feature engineering to analyze a comprehensive dataset of 1500 individuals with OCD, enhancing the dataset's usability for further analysis.
- Constructed 3 interactive Power BI dashboards to visualize clinical and demographic data, analysing 1,500+ records and providing actionable insights that supported 5+ key OCD treatment decisions**.**

CERTIFICATION

- **Google Data Analytics** | Google.
- **Data Analytics and Visualization Job Simulation** | Accenture.
- **Driver Awakening System Publication |IJSREM E-Journal.**
- **Google Cloud Fundamentals: Core Infrastructure | Google Cloud.**