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
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*

- Led stock market forecasting initiatives by applying inter-variable relationship analysis across 20+ financial indicators. Integrated data-driven insights into interactive dashboards, improving forecasting accuracy by 25% and supporting executive investment decisions.
- Designed and maintained 10+ Tableau dashboards covering KPIs for stock analysis, dealership trends, and clinical insights; enhanced data visibility and improved decision-making by 30%.
- Built and automated Python-SQL pipelines supporting OCD patient analytics and dealership inventory; streamlined workflows and reduced report turnaround time by 40%.
- Applied clustering algorithms (K-Means, Hierarchical) and confusion matrix evaluation techniques across analytics projects, increasing segmentation precision and model performance by 20%.

PROJECTS

Stock Market Prediction and Forecasting Using PYTHON | Machine Learning

- Conducted exploratory data analysis on 20+ financial indicators using advanced statistical methods to identify market interdependencies. Improved model accuracy by 25% and enhanced forecasting capabilities.
- Built interactive Power BI dashboards with heatmaps and slicers, empowering stakeholders to interpret patterns effectively and improving strategic responsiveness by 35%.

Dealership Analytics and Prediction Dashboard Using SQL | STREAMLIT

- Developed an end-to-end analytics dashboard using Streamlit and SQL to analyze over 5,000 dealership transactions and predict pricing trends. Helped optimize inventory allocation and pricing strategies.
- Executed K-Means and Hierarchical Clustering on 1,500 customer records, enabling more accurate customer segmentation and personalized marketing outreach.

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

- Designed SQL workflows for cleaning and transforming clinical datasets of 1,500+ OCD patients, increasing dataset reliability and usability for healthcare analytics.
- Created three interactive Power BI dashboards to visualize clinical and demographic insights, assisting medical teams in data-driven treatment planning and supporting 5+ key clinical 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.