Prasham Shah

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EXECUTIVE SUMMARY

- Data professional specializing in analytics, machine learning, and data engineering for business impact.
- Proficient in SQL, Python, R, Tableau, Power BI, and cloud platforms including AWS, GCP, and Azure.
- Experienced in building data pipelines, transforming large datasets, and applying predictive modeling.

TECHNICAL SKILLS

• **Technical**: SQL, Python, R, Tableau, Power BI, Streamlit, Plotly, Advanced Excel (Pivot Tables, VLOOKUP, Power Query, Power Pivot, Macros), SAP (ERP Reporting & Integration)

• **Analytics & Business:** Financial/Data Modeling, KPI Reporting, Risk Analysis, Cost Optimization, Forecasting, US GAAP, Business Intelligence, Advanced Analytics, Data Science, Data Models,

• **Databases & Tools:** MySQL, MongoDB, Hive, Git/GitHub, Cloud Platforms (AWS, GCP)

WORK EXPERIENCE

I-infotechsys **Ahmedabad, India**
Business Intelligence Analyst August 2022 - April 2024
- Created ER models and data flow diagrams for clients like GMC Jamnagar, reducing integration delays by 30%.
- Developed Tableau dashboards linked with SAP/ERP systems, reducing report generation time by 20%.
- Automated BI pipelines handling 1M+ records/month using Python and SQL, decreasing reporting errors by 15%.

BrainyBeam **Ahmedabad, India**
Data Scientist May 2022 - August 2022
- Preprocessed 50K+ raw records, improving model input quality and boosting algorithm performance.
- Contributed to clustering and classification models; uncovered patterns in customer churn behavior.
- Designed a prototype recommendation system using collaborative filtering for ranking simulations.

Mobioxy **Ahmedabad, India**
Product Analytics Intern August 2021 - December 2021
- Built interactive dashboards in Tableau and Excel to track daily active users, revenue, and feature performance, reducing reporting time by 25%.

PROJECT EXPERIENCE

Flight Delay Prediction (Apache PySpark, Kafka, Spark MLlib)
- Developed a real-time pipeline combining flight and weather data; processed millions of records with 87% accuracy and 35% faster runtime.
- Engineered features with VectorAssembler, OneHotEncoder, and StandardScaler to enhance model performance.

NYC 311 Complaint Analyzer (Python, Streamlit, Pandas, Plotly, Geopandas, Pydeck)
- Built an interactive dashboard using Streamlit and ML to visualize NYC 311 data and predict churn, enabling insight extraction from 3M+ records.

AI-Powered Pneumonia Detection from Chest X-Rays (Python, TensorFlow, Keras, VGG16, Streamlit)
- Trained a CNN on 5,800+ chest X-rays, achieving 93% accuracy for early-stage diagnosis support.

LLM-Based Resume Analysis (Python, Hugging Face LLaMA, Gemini API, PyMuPDF, Streamlit, OpenAI API)
- Built a GenAI-powered resume evaluation tool to parse resumes and match against job descriptions.

EDUCATION

University of Maryland, Robert H. Smith School of Business **College Park, MD, USA**
Master of Science in Information Systems, GPA 3.6 August 2024 - December 2025

Gujarat Technological University **Ahmedabad, GJ, India**
Bachelors of Science in Information Communication Technology, GPA 3.83 August 2020 - May 2024

VOLUNTEER EXPERIENCE

Twenty39 LLC - Data Analyst (Springfield, VA, USA) January 2025 - Present
- Leading a cross-functional team of 5 members using Agile sprints to build an AI-based productivity dashboard and embed chatbot integration into the official website.