

Prasham Shah

(240) 610-7480 • shahprasham2727@gmail.com • [LinkedIn](#) • [Github](#)

EXECUTIVE SUMMARY

- 2+ years experience 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, PowerBI, Plotly, Advanced Excel (Pivot Tables, VLOOKUP, Power Query, Power Pivot, Macros), SAP (ERP Reporting & Integration), ETL/Data Pipelines, Visual Studio
- **Analytics & Business:** Business Analysis, Business Intelligence, Data Pipeline, Business Analytics, Data Science, Communication Skills, Data Visualization, Data Mining, Statistics, Database, Mathematics, Cloud Computing
- **Databases & Tools:** MySQL, MongoDB, Hive, Git/GitHub, Cloud Platforms (AWS, GCP)

WORK EXPERIENCE

I-infotechs **Ahmedabad, India**
Business Intelligence Analyst August 2022 - April 2024

- Developed dashboards in Tableau and Power BI integrated with SAP/ERP, reducing report generation time by 20%.
- Automated BI pipelines processing 1M+ records/month using Python and SQL, reducing reporting errors by 15%.
- Partnered with cross-functional teams to deliver data solutions that improved decision-making speed by 25%

BrainyBeam **Ahmedabad, India**
Data Scientist May 2022 - August 2022

- Preprocessed 50K+ records using SQL and Python, with a detail-oriented approach improving model performance.
- Built and evaluated clustering and classification models, uncovering key patterns in customer churn behavior.
- Designed a prototype recommendation system using collaborative filtering to simulate ranking outcomes.

Mobioxy **Ahmedabad, India**
Product Analytics Intern August 2021 - December 2021

- Built Tableau dashboards with SQL insights to track DAUs, revenue, and KPIs, reducing reporting time by 25%.
- Ensured data compliance and accuracy with a detail-oriented approach to analytics.

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 deep learning 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 with parsing logic to ensure compliance with data privacy standards while matching resumes to 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

CAPSTONE 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 with effective communication and embed chatbot integration into the official website.