

## Prasham Shah

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

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### 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 deep learning.

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### TECHNICAL SKILLS

- **Technical:** SQL, Python, R, Tableau, PowerBI, Plotly, Advanced Excel (Pivot Tables, VLOOKUP, Power Query, Power Pivot, Macros), ETL/Data Pipelines
- **Analytics & Business:** Data Modeling, Cleansing, Analysis, Visualization, Predictive Modeling, Regression, Statistical Analysis, Business Insights, KPI Reporting, Project Management
- **Databases & Tools:** MySQL, MongoDB, Hive, Git/GitHub, UNIX, AWS, Google Cloud Platform

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### 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.

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### 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.

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### EDUCATION

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

**Gujarat Technological University** **Ahmedabad, GJ, India**  
**Bachelors of Science in Information Communication Technology**, GPA 3.83

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### 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.