Prasham Shah

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SUMMARY
- Analytical and detail-oriented Data Analyst with 2+ years of experience transforming data into actionable insights.
- Focused on building scalable data systems and visualization solutions that drive informed business decisions.

TECHNICAL SKILLS

Analytics & Visualization: Python, R, SQL (MySQL, PostgreSQL), Tableau, Power BI, Seaborn, Excel, Plotly
Data Engineering & ETL: ETL Pipelines, Data Wrangling, Data Modeling, Web Scraping, API Integration
Databases & Cloud: MySQL, MongoDB, Hive, AWS (S3, Athena, EC2), Google Cloud Platform
Machine Learning & Statistics: Regression, Classification, Clustering, Predictive Modeling, A/B Testing
Business & Management: KPI Reporting, Dashboard Automation, Project Management, Business Insights

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WORK EXPERIENCE

Twenty39 LLC   Springfield, US
Data Analyst   January 2025 - Present
- Built an enterprise-grade Retrieval-Augmented Generation (RAG) system integrating SQL and document data using OpenAI, LangChain, and vector databases to automate knowledge retrieval and client queries.
- Engineered end-to-end data pipelines combining structured and unstructured data for context-aware chatbot responses, reducing manual research time by 60%.

I-infotechsys   Ahmedabad, India
Business Intelligence Analyst   August 2022 - April 2024
- Built automated BI pipelines using Python and SQL to clean, transform, and merge data from SAP and ERP systems, improving data accuracy by 25% and reducing manual processing time by 40%.
- Developed interactive Power BI dashboards connected to SAP and ERP data, enabling real-time performance tracking and accelerating data-driven decision-making by 30% across business units.
- Migrated and optimized ETL workflows on AWS, reducing pipeline runtime by 35%.
- Partnered with cross-functional teams and leadership to translate business requirements into BI solutions, delivering insights that improved report adoption and decision-making efficiency across teams.

BrainyBeam   Ahmedabad, India
Data Science Intern   May 2022 - August 2022
- Cleaned and processed 80K+ app usage records using Python and SQL for a software solutions firm, preparing analysis-ready data that improved model reliability by 25%.
- Developed and evaluated churn prediction models with Scikit-learn and performed funnel and retention analysis, uncovering three key behavioral patterns that helped increase client retention initiatives by 15%.
- Automated data preprocessing scripts in Python, reducing manual preparation time by 30% and improving workflow efficiency.

Mobioxy   Ahmedabad, India
Data Analytics Intern   August 2021 - December 2021
- Analyzed product and revenue data using SQL to uncover trends, and built interactive Tableau dashboards tracking DAUs, conversions, and KPIs, streamlining reporting by 25% and enabling faster, data-driven product decisions.
- Conducted A/B testing to evaluate feature performance, guiding data-driven product enhancements.

PROJECT EXPERIENCE

[Flight Delay Prediction – Real-time ML Pipeline](#) (Apache Kafka, PySpark, Spark MLlib)
- Built a real-time Kafka–PySpark pipeline integrating flight and weather APIs to enable scalable delay prediction.
- Trained and optimized Spark MLlib models with 87% accuracy and 35% faster runtime, supporting data-driven scheduling decisions.

[GenAI Fitness Coach](#) (Prototype Ready) (Python, React, TypeScript, Supabase, OpenAI API, Tableau)
- Built a GenAI fitness platform that personalizes workout plans while analyzing user behavior to uncover engagement trends, optimize pricing, and provide real-time insights through AI feedback and Tableau dashboards.

[NYC 311 Complaint Analyzer](#) (Tableau, Python, Pandas, Geopandas)
- Designed an interactive Tableau dashboard to analyze NYC 311 non-emergency complaints, identify patterns, forecast future trends, and extract actionable insights from over 800K records.

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
Bachelor of Science in Information and Communication Technology, GPA 3.83