Shakeel Ahamed

Data Analyst | Business Analyst | Data Scientist | MBA Candidate | Chennai, India
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Profile Summary

Detail-oriented professional with hands-on experience in SQL, Python, and BigQuery. Skilled in building end-to-end analytics pipelines, developing machine learning models with up to **87% accuracy**, and delivering actionable insights through data visualization. Eager to apply analytical problem-solving skills to support business growth and innovation in a dynamic, technology-driven environment.

Education

MBA in Business Data Analytics, University of Madras (Institute of Distance Education) | Chennai, India — *Jul 2024 – Jun 2026*
Bachelor of Commerce, The New College | Chennai, India — *Aug 2021 – May 2024*

Technical Skills

SQL & Databases: Advanced SQL (Joins, Window Functions, CTEs), BigQuery, SQL Server
Python & Machine Learning: Pandas, Scikit-learn, TensorFlow, LightGBM, Prophet
BI & Visualization: Power BI, Tableau, Matplotlib, Seaborn
Cloud Platforms: AWS, GCP
Developmental Tools: Git, GitHub, Jupyter Notebooks
Core Analytics: Exploratory Data Analysis (EDA), Data Cleaning & Wrangling, Statistical Analysis, Hypothesis Testing

Work Experience

Power BI Trainer (Freelance) — *Mar 2025 – Present*
Don Bosco Vazhikaatti Tech Mahindra Foundation (DBV TMF) Smart-Broadway | Chennai, India

- Trained **50+** students through a hands-on workshop, improving their dashboard-building speed by **40%** through real-world datasets.
- Delivered 20+ hours of instructor-led sessions covering **data modeling, Power Query (ETL), DAX**, and advanced visualization techniques.
- Designed and delivered a project-based curriculum achieving a **100% completion rate** and **97% positive feedback**.
- Integrated AI-powered analytics tools (Q&A, Smart Narratives in Power BI) and introduced 10+ emerging AI tools, boosting student awareness of modern productivity tech by **80%**.

AR Process Analyst (Full-time) — *Sep 2024 – Mar 2025*
Omega Healthcare | Chennai, India

- Verified insurance eligibility and benefits using CareCentral, ensuring patient coverage and reducing verification errors by **15%**.
- Coordinated prior authorization requests, enhancing turnaround time and reducing service delays by **20%**.
- Streamlined inter-team communication via Microsoft Teams, reducing project delays and handoff issues by **18%**.
- Leveraged **Google Sheets** to maintain 100% data integrity for daily records, **improving reporting accuracy by 25%**.
- Ensured secure handling of patient data in compliance with **HIPAA** regulations.

Projects

Amazon Predictive Sales Forecasting | *BigQuery, Python, LightGBM, Prophet*

- Reduced reporting cycle time by **78%** by designing a scalable analytics pipeline with Python and **BigQuery** to automate data cleaning, SQL normalization, and analysis across **2.5M+ sales records**.
- Built and compared Prophet, LightGBM, and Linear Regression models to forecast monthly sales with up to **87% accuracy**, enabling **$450K/year inventory cost reductions** and more accurate financial planning.
- Applied KMeans clustering for segmentation, revealing four key customer groups; this drove targeted marketing campaigns, **increased conversion rates by 24%** and customer lifetime value by 32%.

Google Launch Sentiment Analysis | *Gemini API, TensorFlow, Python, YouTube Data API v3, Hugging Face Transformers*

- Implemented an AI pipeline analyzing **500+** comments from Google's 2025 "Made by Google" launch using YouTube Data API v3, **Gemini AI** transcript analysis, and automated error handling, **cutting manual review time by 85%**.
- Architected dual-model sentiment validation with Hugging Face Transformers (**95.2% confidence**) and a custom **TensorFlow** LSTM model (542K params, 73.3% accuracy) for cross-model verification and YouTube-specific sentiment trends.
- Delivered actionable insights showing **71.2% negative sentiment** on presentation style while validating product excitement; deployed a scalable TensorFlow package with dashboards for enterprise real-time sentiment tracking.

Customer Churn & Retention Dashboard | *SQL Server, Python, Power BI*

- Engineered automated ETL pipelines using SQL Server, optimizing data extraction and transformation to create a reliable, scalable data source for analysis.
- Trained a **Random Forest** predictive model in Python, securing **85% accuracy** in forecasting customer churn and directly supporting retention strategies.
- Developed dynamic Power BI dashboards with **advanced DAX measures** to visualize churn drivers, delivering actionable insights that informed a successful customer retention strategy.

Certifications

IBM Machine Learning Professional Certificate (Coursera) — *May 2025*
Meta Database Engineer Professional Certificate (Coursera) — *Apr 2025*
Microsoft Power BI Data Analyst Professional Certificate (Coursera) — *Feb 2025*

Achievements & Contributions

- **HackerRank:** Earned a 5-Star Gold Badge in SQL and a 3-Star Badge in Python by **solving** over 50 competitive coding challenges.
- **Volunteer:** Supported educational initiatives for underserved students as a volunteer with the Agaram Foundation.