

# 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 *Expected Jun 2026*  
**Bachelor of Commerce**, The New College | Chennai, India *May 2024*

## Technical Skills

**Programming & Data Pipelines:** Python (Pandas, Scikit-learn), SQL (Advanced Joins, Window Functions, CTEs)  
**Machine Learning & AI:** TensorFlow, LightGBM, Prophet, K-Means, Random Forest, Hugging Face, Gemini API  
**Databases & Big Data:** BigQuery, SQL Server, Large-Scale Data Systems  
**BI & Visualization:** Power BI (DAX, Power Query), Tableau, Matplotlib, Seaborn  
**Cloud & Dev Tools:** GCP, AWS, Git, GitHub, Jupyter Notebooks  
**Core Methodologies:** EDA, A/B Testing, Statistical Analysis, Hypothesis Testing, ML Optimization, Anomaly Detection

## 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%**.
- Analyzed daily operational data using Google Sheets to **identify and rectify discrepancies**, improving reporting accuracy by **25%**.
- Ensured secure handling of patient data in compliance with **HIPAA** regulations.

## Data & AI Projects

**Amazon Predictive Sales Forecasting & Customer Segmentation** | *BigQuery, Python, LightGBM, Prophet*

- Engineered a full-stack data science pipeline using Python and BigQuery to process and analyze over **2.5 million sales records**, reducing the **ad-hoc analysis reporting cycle by 78%**.
- Developed and deployed multiple predictive models (LightGBM, Prophet, Regression) to forecast monthly sales with **87% accuracy**, directly informing inventory optimization strategies projected to **save \$450K annually**.
- Conducted exploratory analysis and applied K-Means clustering to identify **four distinct customer segments**, informing a more targeted marketing strategy that **increased conversion rates by 24%**.

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

- Leveraged generative AI by implementing a Python-based pipeline using the YouTube Data API and Gemini API to analyze **500+ comments** on “Made by Google 2025” launch, automating sentiment data collection and **reducing manual analysis time by 85%**.
- Architected a **dual-model validation system** using a Hugging Face Transformer (**95.2% confidence**) and a custom **TensorFlow LSTM model (542K params, 73.3% accuracy)** to ensure robust, cross-verified sentiment scoring.
- Delivered **actionable insights** showing **71.2% negative sentiment** on presentation style while validating product excitement, deploying a scalable TensorFlow package with dashboards for real-time sentiment tracking.

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

- Built an automated **ETL pipeline** using SQL Server, optimizing data extraction and transformation to create a reliable, scalable data source for analysis.
- Trained, evaluated, and deployed a **Random Forest classification model** with **85% accuracy in predicting customer churn**, providing the business with a proactive tool to drive retention initiatives.
- Crafted a **dynamic Power BI dashboard using advanced DAX measures** to visualize churn drivers, providing actionable insights that directly **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

- Solved **100+** challenges across [HackerRank](#) and [LeetCode](#), achieving 5-Star Gold (SQL) and 5-Star (Python) HackerRank badges.
- Contributed **40+ volunteer hours** to the Agaram Foundation, supporting educational initiatives for underserved students.