

MOH TARIQUE SIDDIQUI

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Summary

Data is reshaping how businesses operate, and I'm committed to contributing to that shift. I bring a solid foundation in data analytics and machine learning, strengthened through hands-on projects where I've solved real problems using data. I'm driven by curiosity, precision, and the challenge of turning complex information into meaningful insights. As I begin my career in data science, I'm ready to learn quickly, take ownership, and deliver work that makes a measurable impact.

Skills

Languages: Python, SQL, Java

Libraries: Pandas, NumPy, Matplotlib, Seaborn, Statsmodels, Scikit-learn, XGBoost

Data Tools: Tableau, Power BI, Advanced MS Excel, Databricks, Microsoft SQL Server Database

Analytical Abilities: Data Cleaning, Exploratory Data Analysis (EDA), Hypothesis Testing, Descriptive Statistics, Data Warehousing, Machine Learning, Prompt Engineering

Frameworks: PySpark, Azure Data Factory

Projects

Employee Churn Prediction [Live Demo](#)

[GitHub Repo](#)

- Analyzed 11,991 employee records to identify key churn drivers affecting productivity.
- Performed EDA, feature engineering, and benchmarking (Logistic Regression, Classification Tree, Random Forest, XGBoost, SVM, KNN) models to build a reliable predictor.
- Achieved 97.4% AUC score and uncovered insights such as 100% churn for employees handling 7 projects and 0% churn for 6+ years of tenure.
- Deployed the final prediction model as a live Flask-based web application for HR decision-making on Render.com.

Banking Loan Analysis

[GitHub Repo](#)

- Examined comprehensive financial records of 2,900+ clients to help the bank better understand deposit trends, loan utilization patterns, and service fee behaviors across customer segments.
- Conducted detailed segmentation and statistical evaluations across income groups, tenure categories, and nationalities to derive more actionable business insights.
- Identified key insights: \$4.38bn loans, \$3.77bn deposits, high-value mid-income customers and clients with 20+ years of relationship holding \$0.68bn deposits.
- Highlighted European clients as the strongest contributors, guiding targeted financial strategies.

Certifications

- **Google Advanced Data Analytics Certificate - [Credential](#) | Coursera (2025):** Completed 8 modules and multiple practical case studies involving PACE workflow, Python, Data Cleaning, Data Visualization, Hypothesis Testing, Machine Learning and Presentations.
- **IBM SkillsBuild Internship Program - [Credential](#) | SkillsBuild (2024):** Completed 4 weeks of the internship program with CSRBOX on AI-ML and built a kidney stone prediction model using IBM Watson.
- **PostgreSQL - [Credential](#) | Udemy (2025):** Mastered window functions, subqueries, indexing, and relational database design.
- **Microsoft Power BI - [Credential](#) | Udemy (2025):** Proficient in building dynamic dashboards using DAX, Data Modeling, and Power Query Editor.

Education

B.Tech in Computer Science

Ajay Kumar Garg Engineering College, Ghaziabad

Graduated: 2025

No Backlogs