

## ASAD MEHMOOD

Data Scientist | [mehmood9721@gmail.com](mailto:mehmood9721@gmail.com) | Silver Spring, MD | [+1240461-3186](tel:+1240461-3186)

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### ✦ SUMMARY

Results-driven Data Scientist with a strong foundation in Python, statistics, and machine learning. Over 7 years of combined experience in electronics, data analytics, and teaching. Certified in Data Science from TripleTen, with hands-on experience in solving real-world business problems. Skilled in translating complex data into actionable insights and collaborating across teams.

### ⚖ SKILLS

Python | SQL | Pandas | NumPy | Scikit-learn | LightGBM | Excel | SPSS | R | Data Visualization

### 🔧 TECH PROJECTS

#### Customer Churn Prediction for Beta Bank | 06/2025 | [GitHub](#) | [Demo](#)

Predictive model to identify customers likely to leave the bank using classification algorithms.

- Built churn prediction model using logistic regression, decision trees, and LightGBM (F1: 0.6152, AUC-ROC: 0.8312).
- Performed EDA, feature engineering, imbalance handling, and tuned models with cross-validation and visual insights.

#### Hourly Taxi Order Forecasting for Sweet Lift | 05/2025 | [GitHub](#) | [Demo](#)

Forecasting NYC taxi demand by the hour using time series analysis.

- Developed hourly taxi demand forecast using LightGBM with lag features and rolling stats; RMSE < 48.
- Used time-based cross-validation; insights helped optimize driver allocation during peak hours.

#### Gold Recovery Prediction from Flotation Plant | 04/2025 | [GitHub](#) | [Demo](#)

Regression model to predict gold recovery efficiency in a mining plant.

- Analyzed full-cycle mining data from raw feed to final concentrate.
- Built ML models using sMAPE; identified key factors impacting gold recovery.

### 🏠 EXPERIENCE

#### PayMore Cash for Electronics | Store Associate | 12/2024 – Present | Ellicott City, MD.

A retail electronics company specializing in buying/selling refurbished gadgets.

- Managed diagnostics and listing of used electronics for resale.
- Delivered exceptional customer service and ensured smooth store operations

#### New Moon Traders | Sales Manager | 07/2017 – 08/2023 | Rawalpindi, Pakistan

Retail company handling computer imports and university IT solutions.

- Handled import and repair of laptops and built academic networks.
- Maintained international client relationships and ensured quality control.

#### PMAS Arid Agriculture University | Lecturer, Statistics | 02/2022 – 08/2022 | Rawalpindi, Pakistan

Taught undergraduate-level statistics and mathematics courses.

- Designed and delivered coursework in Probability, Calculus, and Sampling.
- Led exam preparation and grading for over 100 students.

### 🎓 EDUCATION

#### TripleTen USA | Certificate in Data Science | 08/2024 – 06/2025

Covered machine learning, supervised/unsupervised models, model evaluation, data preprocessing, and Git/GitHub.

#### PMAS Arid University | MPhil in Philosophy | 2019 – 2021 | GPA: 3.47

#### PMAS Arid University | MS in Statistics | 2016 – 2018 | GPA: 3.2

#### University of the Punjab | BS in Science | 2014 – 2016