

Curriculum Vitae

Name: Mohd Saiful Islam
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Birth date: 07.05.1985
Nationality: Bangladeshi



Education

- Since 09/2021 Mittweida University of Applied Sciences, Germany
Applied Mathematics for Network and Data Sciences (M.Sc.)
 - Major Subjects: Computational Intelligence and Machine Learning, Data Analytics and Visualization, Simulation and Visualization, Cryptanalysis
- 06/2011-02/2013 National University, Bangladesh
Mathematics (M.Sc.)
- 01/2006-03/2011 National University, Bangladesh
Mathematics (B.Sc.)

Work Experience

- 02/2025-06/2025 Blockchain Competence Center Mittweida, Germany
Data Analyst Intern – Blockchain Security & LLMs
 - Designed and implemented a vulnerability detection system using the Meta LLaMA-3-8B-Instruct model to analyze Ethereum smart contracts.
 - Integrated Retrieval-Augmented Generation (RAG) using FAISS and sentence-transformers to enhance LLM performance and context-aware reasoning.
 - Achieved a 100% recall rate and 98.52% F1-score with the RAG-enhanced model, demonstrating its effectiveness for automated smart contract auditing.
- 01/2015-12/2020 Gonit Shikkha Kendra, Dhaka, Bangladesh
Lecturer in mathematics
 - Trained and mentored a group of learners in Mathematics instruction.

Technical Skills

Programming Languages & Libraries

- Python, SQL, Solidity, Pandas, NumPy

Data Visualization Tools

- Power BI, Excel, Matplotlib, Seaborn, PowerPoint, Google Sheets

Databases

- MySQL, PostgreSQL, Supabase

Data Warehousing

- Google BigQuery

Statistical Analysis

- Exploratory Data Analysis (EDA), Hypothesis Testing, A/B Testing

Machine Learning & Artificial Intelligence

- LLaMA, Retrieval-Augmented Generation (RAG), Linear Regression, K-Means Clustering

Projects

09/2025-10/2025 **OTT Platform Revenue Analysis**

- This project analyzed OTT platform revenue and customer behavior using multi-source transactional and customer datasets. The analysis focused on revenue trends, customer segmentation, cohort-based performance, and key revenue drivers such as payment methods, plan types, and geography, utilizing **Python**, **Pandas**, **NumPy**, **Matplotlib**, and **Seaborn**.

07/2025-09/2025 **Superstore Sales Analysis**

- Conducted a comprehensive sales analysis by integrating data from Google Sheets into **Python** for cleaning, EDA, and transformation into a denormalized dataset loaded into **BigQuery**. Designed analytical queries and an interactive **Google Sheets** dashboard to uncover business insights such as top products, profitability gaps, regional trends, growth metrics, and customer behavior.

04/2025-06/2025 **E-Commerce Sales Analytics**

- Developed an E-Commerce Sales Analytics dashboard in **Power BI**, featuring executive summary, geo analysis, customer segmentation, and product insights to support data-driven decisions and optimize business performance.

02/2025-03/2025 **Customer Cohort Analysis**

- Performed cohort analysis using **SQL** on 500K+ retail transactions to evaluate customer retention and lifetime value (CLV), resulting in actionable insights into re-engagement strategies and improving long-term customer retention.

Courses

01/2025-05/2025 Interactive Cares

Data Analytics and Power BI Carrier Path

Skills Achieved:

- Excel, Power BI, Python, SQL, Machine Learning, Hypothesis Testing, Strategy of Analytics

Languages

English: C1, German: B1, Bengali: Native

Leipzig, 18.10.2025

Saiful Islam