

K M NAIMUDDIN

Data Analyst · Business Intelligence · Applied Machine Learning

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Date of Birth: 14 July 1999 | Nationality: Bangladeshi

PROFESSIONAL SUMMARY

Data Analyst with nearly two years' experience delivering analysis and reporting for financial-sector clients in a regulated AML and KYC environment. Skilled in writing SQL queries, performing data cleaning and wrangling on high-volume transactional datasets, and building interactive Power BI dashboards that turn raw operational data into clear insight for compliance and management stakeholders. Experienced across the end-to-end reporting workflow: data extraction and validation, trend and exception analysis, KPI tracking, data visualisation and stakeholder communication. Computer Science and Engineering graduate with applied machine learning research experience.

PROFESSIONAL EXPERIENCE

Data Analyst — Management Analytics and Research Solutions

01/2025 – Present

[ServiceEngine Limited \(SEBPO\)](#) · [Dhaka, Bangladesh](#) · [Financial-sector compliance analytics](#)

- Analyse high-volume customer and transaction datasets for financial-sector clients, writing SQL queries and performing data cleaning and wrangling to prepare approximately 300 records per day for compliance review.
- Perform trend and exception analysis across transaction monitoring alerts, identifying suspicious activity patterns and false-positive drivers that inform screening thresholds and reduce repeat escalations by 18%.
- Build and maintain Power BI dashboards and recurring KPI reports covering case volume, turnaround time and quality metrics, used daily by client compliance teams and internal management.
- Reconcile customer identity records across multiple partially matched source databases, resolving data-quality conflicts and documenting defensible determinations for audit and regulatory review.
- Present analytical findings and escalation summaries to stakeholders including client compliance officers and team leads, translating technical detail into clear, actionable recommendations.
- Execute KYC, CIP and sanctions screening workflows, including PEP and adverse media checks, sustaining a 98% quality-assurance accuracy rating across 10,000+ cases reviewed.

Data Analyst Intern

10/2024 – 12/2024

[ServiceEngine Limited \(SEBPO\)](#) · [Dhaka, Bangladesh](#)

- Extracted, cleaned and validated customer datasets supporting KYC screening workflows, processing approximately 1,200 records per week.
- Produced daily and weekly reports on screening throughput and data-quality exceptions for team leads.
- Retained as a full-time Data Analyst on completion of the internship.

EDUCATION

BSc in Computer Science and Engineering

02/2019 – 02/2024

[Premier University](#) · [Chattogram, Bangladesh](#) · [CGPA 3.39 / 4.00](#)

- Enrolled Spring 2019; final results published 20 February 2024. Duration extended by nationwide COVID-19 university closures.
- Core coursework: Machine Learning, Computer Vision, Statistics, Data Structures and Algorithms, Database Systems, Software Engineering.

RESEARCH

Computer Vision Based Road Accident Classification from Traffic Surveillance

2023 – 2024

[Undergraduate thesis](#) · [Status: Under review](#)

- Developed a hybrid MobileNetV2 and Bi-LSTM deep learning framework for automated road accident classification from CCTV footage, achieving 97% classification accuracy.
- Built and labelled a dataset of approximately 18,000 video frames from real-world traffic surveillance recordings; diagnosed and corrected a daylight sampling bias suppressing low-light performance.

Tech: Python · TensorFlow · Keras · OpenCV · NumPy · Scikit-Learn

TECHNICAL PROJECTS

Autonomous Traffic Sign Recognition System

kaggle.com/kmnaimuddin

- Trained a Convolutional Neural Network for multiclass traffic sign classification, reaching 95% accuracy through image preprocessing, data augmentation and hyperparameter tuning.
- Evaluated model performance using confusion matrices and classification metrics.

Tech: Python · TensorFlow · NumPy · Scikit-Learn · Seaborn

Bank Loan Insights Analysis

github.com/KMNaim/BANK-LOAN-INSIGHT-REPORT

- Designed SQL-based analytical pipelines and interactive Power BI dashboards for loan portfolio risk analysis, tracking approval rates, default exposure and portfolio performance KPIs.
- Automated recurring reporting workflows, replacing manual spreadsheet consolidation.

Tech: SQL · Power BI · DAX · Excel

PUAIS — Academic Information System, Enrollment Module

github.com/KMNaim/PUAIS

- Built the course enrollment module for the Premier University Academic Information System, with automated validation of credit-limit and section-capacity constraints, real-time notifications and faculty override support.

Tech: PHP (Laravel) · JavaScript · MySQL

TECHNICAL SKILLS

Programming & Query SQL, Python, C, C++, PHP (Laravel), JavaScript, REST API, OOP

Data Analysis Data Cleaning & Wrangling, Exploratory Data Analysis, Trend & Insight Analysis, Statistical Analysis, Pandas, NumPy, Scikit-Learn

BI & Visualisation Power BI, DAX, Tableau, Excel (PivotTables, Power Query), Dashboard Development, KPI & Stakeholder Reporting, Data Storytelling

Databases & Pipelines MySQL, Microsoft SQL Server, SSMS, ETL, Data Modelling, Reporting Automation

Machine Learning TensorFlow, Keras, OpenCV, Deep Learning, Computer Vision

Tools & Platforms Git, GitHub, Docker, Jupyter Notebook, VS Code, PyCharm, Microsoft Azure, AWS

Domain Knowledge AML, KYC, CIP, Transaction Monitoring, Sanctions & PEP Screening, Adverse Media Analysis, Regulatory Compliance Reporting, Risk Assessment

CERTIFICATIONS

ML, Cloud & Development Machine Learning Specialization (Stanford Online); Azure ML for Data Scientists (Microsoft); AWS Academy Cloud Foundations (AWS Academy); PHP with Laravel (BASIS Institute of Technology and Management)

Data & Analytics Google Data Analytics (Commonwealth Scholarship Program); Data Analysis & Visualization with Power BI (Microsoft); SQL for Data Science (University of California, Davis); Codebasics Data Analytics Bootcamp 3.0

LANGUAGES

Bengali Native

English IELTS Academic — Overall 6.0 (Listening 6.0, Reading 6.0, Writing 6.0, Speaking 5.5).

Professional English Communication Skill — WSDA (Grade: A+).

German A1 (in progress) — Self-study.

LEADERSHIP & ACTIVITIES

- Vice-Chair, IEEE Premier University Student Branch (02/2023 – 02/2024); General Secretary, CSE Club, Premier University; Technical Head, Robotics Club, Premier University. Member, IEEE (no. 99076130).
- Organizer, Bangladesh Olympiad in Informatics 2022 and 2023; Premier University IT Fest. Member, Leo Club of Chittagong Karnaphuli.

REFERENCES

Prof. Dr. Shahid Md. Asif Iqbal — Professor & Associate Dean, Faculty of Engineering, Premier University. | asif.iqbal@puc.ac.bd

Mohammad Hasan — Assistant Professor, Dept. of CSE, Premier University; Moderator, Programming Wing, PU Computer Club. | mehedi.cse@puc.ac.bd

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