

K M Naimuddin

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GitHub: <https://github.com/KMNaim> **Date of Birth:** 14 July 1999 **Nationality:** Bangladeshi **Location:** Dhaka, Bangladesh

PROFESSIONAL SUMMARY

Computer Science and Engineering graduate with hands-on experience across data analytics, business intelligence, compliance systems, and applied machine learning. Proficient in Python, SQL, TensorFlow, and Power BI, with a strong foundation in algorithms, data structures, database systems, and software engineering. Research-active, with academic work in Computer Vision and Deep Learning bridging theoretical rigour with real-world application. Experienced in the full data pipeline: ETL, data cleaning, dashboard development, KPI reporting, and predictive modelling. Passionate about intelligent systems and data-driven decision making, with interests spanning Machine Learning, Deep Learning, Computer Vision, Business Intelligence, and Software Engineering. Seeking an MSc in Computer Science to advance research capability and contribute to applied innovation at the intersection of AI and real-world systems.

EDUCATION AND TRAINING

2020 – 2024	BSc in Computer Science and Engineering Premier University · Chattogram, Bangladesh	3.39/4.00
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WORK EXPERIENCE

2025 – Present	Data Analyst ServiceEngine Limited (SEBPO) · Bangladesh - Conducted AML, KYC, and CIP compliance operations for financial-sector clients. - Conducted sanctions screening — PEP checks, adverse media analysis, and transaction monitoring. - Reviewed KYC documentation and customer data to support risk mitigation decisions. - Produced structured analytical reports enabling compliance decision-making.
Oct 2024 – Dec 2024	Data Analyst Intern ServiceEngine Limited (SEBPO) · Bangladesh Supported compliance data and KYC screening workflows; retained as full-time Data Analyst.

RESEARCH & TECHNICAL PROJECTS

CNN, TensorFlow, NumPy, Scikit-Learn, Computer Vision	Autonomous Traffic Sign Recognition System  Kaggle - Developed and trained a Convolutional Neural Network (CNN) model for multiclass traffic sign classification using TensorFlow and NumPy, achieving 95% classification accuracy through image preprocessing, data augmentation, and hyperparameter optimization. - Evaluated model performance using confusion matrices and classification metrics with Scikit-Learn and Seaborn. - Applied deep learning and computer vision techniques for real-time traffic sign recognition scenarios.
MySQL DB, JavaScript, PHP (Laravel Framework)	PUAIS – Academic Information System: Enrollment Section  GitHub - Developed an academic enrollment management module for the Premier University Academic Information System (PUAIS). - Implemented automated validation for credit-limit constraints and section-capacity restrictions during course enrollment. - Built logic for real-time enrollment notifications and manual override support for faculty members.
Power BI, SQL, Excel, DAX	Bank Loan Insights Analysis  GitHub - Designed SQL-based analytical pipelines and interactive visualization systems for loan risk analysis using Power BI and DAX. - Implemented KPI-driven dashboards and automated reporting workflows for portfolio performance analysis.

SKILLS SUMMARY

Technical Skills

- Programming & Development: Python, SQL, C, C++, PHP (Laravel), REST API, OOP.
- Data Analytics & ML: Power BI, Tableau, DAX, TensorFlow, Pandas, NumPy, Scikit-Learn, Statistical Analysis.
- Databases & Data Engineering: MySQL, SQL Server, SSMS, ETL, Data Modeling, Data Cleaning.
- Tools & Platforms: Git, GitHub, Docker, Jupyter Notebook, VS Code, PyCharm.
- Visualization & Reporting: KPI Monitoring, Data Visualization, Reporting Automation.

LANGUAGE SKILLS

Language	Listening	Reading	Interaction	Production	Writing
Bengali	Native	Native	Native	Native	Native
English	C1	C1	C1	B2	B2

English certificate: Professional English Communication Skill – WSDA

CERTIFICATIONS

Data & Analytics

- Google Data Analytics – Commonwealth Scholarship Program
- Data Analysis and Visualization with Power BI – Microsoft
- SQL for Data Science – University of California
- Codebasics Data Analytics Bootcamp 3.0

ML & Cloud

- Machine Learning Specialization – Stanford Online
- Microsoft Azure ML for Data Scientists – Microsoft
- AWS Academy Cloud Foundations – AWS Academy

Software Development

- PHP with Laravel — BASIS Institute of Technology & Management (BITM).

THESIS & PUBLICATION

Computer Vision Based Road Accident Classification from Traffic Surveillance.

[Under Review]

TensorFlow, CNN,
Bi-LSTM, MobileNetV2,
Computer Vision,
Deep Learning.

- Developed a hybrid MobileNetV2 and Bi-LSTM framework for automated road accident classification using CCTV surveillance footage and real-world traffic datasets (~18,000 frames).
- Applied transfer learning, sequential video analysis, and spatial-temporal feature extraction techniques, achieving 97% classification accuracy.

ADDITIONAL INFORMATION

Memberships & Volunteering

- Vice-Chair, IEEE Premier University SB (Feb 2023 – Feb 2024)
- Member, IEEE · #99076130
- Organizer, Bangladesh Olympiad in Informatics 2022 & 2023
- Member, Leo Club of Chittagong Karnaphuli

REFERENCES

Referee 1

Prof. Dr. Shahid Md. Asif Iqbal

Professor & Associate Dean, Faculty of Engineering
Department of Computer Science and Engineering
Premier University, Chattogram, Bangladesh
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Referee 2

Prof. Dr. Taufique Sayeed

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