

Raihan Rashid

Dhaka, Bangladesh

rashidraihan021@gmail.com | LinkedIn | GitHub | rashidraihan.github.io

EDUCATION

B.Sc. in Computer Science & Engineering

North South University

Major: Artificial Intelligence / Minor: Theory of Computation

July 2025

Dhaka, Bangladesh

- Coursework: Data Structures & Algorithms, Software Engineering, Machine Learning, OS, Embedded Systems

RESEARCH EXPERIENCE

Enhancing Android Malware Detection using Artificial Intelligence.

North South University

April 2024 – April 2025

Dhaka, Bangladesh

- First-authored paper on ensemble ML detection system presented at IEMTRONICS 2025 (Springer Nature)
- Implemented ensemble models achieving 92% accuracy in malware classification

Stroke Risk Prediction Using Machine and Deep Learning

North South University

October 2024 – Present

Dhaka, Bangladesh

- Developed interpretable ML/DL models using XAI (SHAP) for stroke risk prediction and clinical validation
- Engineered data preprocessing pipeline for 5,000+ patient records; contributed to publication

PROJECTS

DeepSurf: AI-powered Android Malware Detection

- Built ensemble ML models using Scikit-learn on a dataset of 300,000 records; applied SMOTE and Optuna
- Deployed with FastAPI backend and Streamlit frontend

Turtle Shell – Custom Command-Line Interface

- Developed core UNIX system calls (fork, execvp, pipe, file I/O) in Python
- Implemented directory navigation, file management, command history, and text editing

SKILLS

Programming Languages: Python, C, C++, Java, JavaScript

ML & AI: Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy

Web Development: HTML, CSS, React.js, FastAPI, Streamlit

Database & Tools: MySQL, Git/GitHub, Jupyter Notebook, VSCode

Operating Systems: Linux, Windows, macOS