MD NAIMUR RASHID

IoT & Robotics Engineering | AI • Machine Learning • Edge Computing
+8801860594639 | rashidn290@gmail.com | LinkedIn | Portfolio | Savar, Bangladesh

SUMMARY

Final-year IoT and Robotics Engineering student with hands-on experience building AI-driven embedded systems, autonomous robots, and real-time surveillance solutions. Proficient in Python, C++, YOLO-based object detection, edge AI deployment on Raspberry Pi, and IoT platform integration. Holds Google Cybersecurity and Cisco CCNA certifications. Seeking an internship or junior role in AI, IoT, or embedded systems engineering to contribute to innovative, real-world products.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, C#

AI & Computer Vision: YOLO (object detection), CNN (image classification), OpenCV, TensorFlow (basics), NLP, SpeechRecognition

Embedded & IoT: Raspberry Pi, Arduino, ESP32, NodeMCU (ESP8266), Firebase, ThingSpeak, UAV/Drone integration

Networking & Security: OSI model, IPv4/IPv6, VLANs, ACLs, threat detection, incident response, Cisco Packet Tracer, Wireshark

Tools & Platforms: Git, GitHub, VS Code, Linux (basics), MS Office Suite, Telegram Bot API

Other: Circuit design, prototyping, debugging, Agile methodology, public speaking

PROJECTS

AI-Driven Autonomous Aerial Surveillance System [github] April 2025 – April 2026
University of Frontier Technology, Bangladesh

- A drone-based real-time surveillance system that automatically detects fire, accidents, weapons, and violent activity from live aerial video and sends instant alerts with evidence.

ShopFace: Omnichannel Retail Personalization Integrating Online Behavior with In-Store Biometrics [github] Jan 2026 - June 2026
Personal Project

- An AI-powered retail platform that recognizes returning customers in-store and personalizes product recommendations based on their online shopping behavior.

PneumoSight – AI-Assisted Radiology System [github] March 2026 - July 2026
University of Frontier Technology, Bangladesh

- A medical AI system that detects pneumonia from chest X-rays and generates explainable, doctor-reviewed diagnostic reports to support faster clinical decisions.

GenomeIQ — DNA Disease Classifier [github] Sept 2025 - Dec 2025
Personal Project

- An AI platform that predicts disease risk (cancer, diabetes, Alzheimer's) directly from DNA sequences, with explainable results and an interactive chat assistant.

License-Plate-Detection-and-Recognition [github] May 2025- July 2025
Personal Project

- A web-based traffic surveillance system that automatically detects and reads vehicle license plates from CCTV footage for searchable record-keeping.

Smart Face Attendance System [github] January 2025 - April 2025

Personal Project

- An offline, camera-based attendance system that automatically recognizes and logs students without manual check-in.

Algora AI – Python Voice Assistant [github] Aug 2024 – Dec 2024
University of Frontier Technology, Bangladesh

- A voice-controlled AI assistant that understands natural language commands to automate everyday tasks like launching apps and fetching news.

Other: IoT Based Smart Plant Care System | IoT based Autonomous Fire-Fighting Robot | IoT Based Smart Vacuum Cleaner Robot | Smart Goggles for the Visually Impaired | Line Following Robot (Arduino + IR sensors) | Remote Patient Health Monitor (wireless vitals prototype)

CERTIFICATIONS

- **CCNA: Introduction to Networks** — Cisco Networking Academy, Sep 2025 [verify]
- **CCNA: Switching, Routing & Wireless Essentials** — Cisco Networking Academy, Dec 2025 [verify]
- **CCNA: Enterprise Networking, Security & Automation** — Cisco Networking Academy, Feb 2026 [verify]
- **Google Cybersecurity Professional Certificate V2** — Coursera, Oct 2025 [verify]
- **Introduction to Cloud Computing** — Coursera, Sep 2025 [verify]
- **Job Ready (99th percentile)** — Wadhwani Foundation [verify]
- **Introduction to Cybersecurity Careers** — IBM, Coursera, Oct 2025 [verify]
- **Cybersecurity Essentials** — IBM, Coursera, Oct 2025 [verify]
- **Intro to Cybersecurity Tools & Cyberattacks V3** — IBM, Coursera, Oct 2025 [verify]
- **Network Security & Database Vulnerabilities** — IBM, Coursera, Oct 2025 [verify]
- **Operating Systems: Overview, Administration & Security** — IBM, Coursera, Oct 2025 [verify]

EDUCATION

B.Sc. in IoT and Robotics Engineering Running (Level 4, Term 2)
University of Frontier Technology, Bangladesh — Faculty of Cyber Physical System Engineering CGPA: 3.21 / 4.00

Higher School Certificate (HSC) — Science 2021
Cumilla Government City College, Cumilla Board GPA: 5.00 / 5.00

Secondary School Certificate (SSC) — Science 2019
Ibne Taimia School and College, Cumilla Board GPA: 5.00 / 5.00

LANGUAGES

Bengali (Native) | **English** (Fluent) | **Hindi** (Fluent)

REFERENCE

MD Toukir Ahmed- Assistant Professor, IRE, University of Frontier Technology, Bangladesh
Cell: +8801738039128 | Email: toukir0001@uftb.ac.bd | Relation: Course Advisor

Md. Ashiqussalehin- Lecturer, IRE, University of Frontier Technology, Bangladesh
Cell: +8801799776562 | Email: ashiqussalehin0001@uftb.ac.bd | Relation: Capstone Supervisor