



1296/1, Shenpara Parbata, Mirpur-10

RAKIB HASSAN

10 December 2002

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Career Objective

Striving Aspiring Cybersecurity professional with a better programming foundation, field technical skills, and practical experience in securing digital systems, networks, and applications with Databases. Committed to continuous learning, applied research, and eager to work in modern security-driven IT environments. Seeking a dynamic role in an organization that values innovation, reliability, and technical excellence.

Experience

Foodpanda | *IT Technical Assistant – Area Operations (foodpanda)*

June 2021 – December 2021

- Supported the Area Manager with day-to-day technical troubleshooting for riders, vendors, and operational teams.
- Configured and maintained devices including mobile phones, tablets, and vendor POS systems.
- Resolved app, connectivity, and hardware issues to ensure smooth delivery and order operations.
- Coordinated with central IT for escalations and issue tracking.
- Assisted in training vendor partners and local team members on platform usage.

Scrap Materials | *Content Writer and Sales Partner*

March 2022 – December 2022

- Created content for product listings and marketing materials.
- Assisted in sales operations and customer communication.

Projects

- **AI Vehicle Detection System** | *Python, YOLOv8, OpenCV*

[Developed a real-time vehicle detection system using a YOLOv8 model to identify and classify vehicles in live video streams. Processed video input with OpenCV to achieve accurate detection for traffic analysis use cases]

Projects

- **Deforestation Analysis (Bangladesh)** | *Python, Google Earth Engine, Landsat*

[Conducted a 25-year NDVI-based vegetation analysis using Landsat data to track deforestation trends across Bangladesh. Processed and visualized large geospatial datasets to highlight key areas of vegetation decline.]

- **Airport Entrance Management System** | *Java, JavaFX, MySQL*

[Designed and developed a desktop application to automate airport entrance processes with secure role-based access. Built a MySQL-backed system to manage user credentials, passenger logs, and daily reporting through a user-friendly JavaFX interface.]

- **AccessX — Cyber Recon & Phishing Simulation Framework**

React Native, Firebase, IoT, ngrok, Stormbreaker, seekerScan, wlan-deauth tools

[Built an integrated reconnaissance & phishing-simulation toolkit enabling rapid single-command deployment for controlled security assessments and red-team exercises.

Implemented mobile companion (React Native) with Firebase backend for real-time result aggregation, and secure tunnelling via ngrok for test environments]

- **Quantum Computing Research** | *Qiskit, Python, Jupyter Notebooks*

[Explored quantum algorithms, including Quantum Teleportation, Deutsch–Jozsa, and Grover's Search using IBM Quantum systems. Implemented circuits in Qiskit to study superposition, entanglement, and noise effects within NISQ devices]

Core Skills & Abilities

- Cybersecurity fundamentals, penetration testing tools, and attacking methodologies.
- Strong foundation in access control, risk management, and incident response.
- Practical experience with reverse engineering fundamentals and system analysis.
- Ability to work across operating systems, networks, and web environments.
- Effective communication for presenting technical issues to non-technical stakeholders.

Programming & Technical Skills

- Programming Languages: C, C++, C#, Java, Python, Ruby, Rust, Kotlin, Dart, Shell Scripting
- Operating Systems: Windows, Linux (Debian, Arch, OpenSUSE); troubleshooting & system administration
- Software & Tools: Android Studio, VS code (insider), Unity, Unreal Engine, Microsoft Office Suite, Git/GitHub
- Hardware: Diagnosis and troubleshooting of computer hardware issues
- Linux Server Administration: Familiar with server configuration and maintenance
- Databases: MongoDB, MySQL, PostgreSQL
- Web Technologies: Django, MERN Stack, RESTful API

LANGUAGES SPOKEN

- Bangla: Native
- English: Proficient
- Russian: Only Varbal
- Japanese: Only Varbal

EXTRA-CURRICULAR ACTIVITIES

BAFA Cadets Club DSD

- Badminton Champion (Singles & Doubles), Inter-college Championships (2018–2020)
- Photography Club Member
- Cycling Expedition: Covered 36 districts with BD Cyclist
- Marathon Volunteer: Team leader at Dhaka Half & Full Marathon
- Traveled across 62 districts of Bangladesh, exploring culture and heritage
- Creative Writing: Authored multiple unpublished story series

Academic Qualifications

B.Sc. in Computer Science and Engineering (Major in Cyber Security)
Daffodil International University – Department of CSE

Admitted: September 2022

Current Year: 3rd Year, 1st Semester Graduation: September 2026 (Expected)

Higher Secondary Certificate (H.S.C.) – Science
Bangladesh Air Force Shaheen College, Kurmitola
Nov 2018 – July 2020
GPA: 5.00/5.00

Secondary School Certificate (S.S.C.) – Science
Bangladesh Tea Research Institute High School, Sreemangle
Jan 2016 – Jan 2018
GPA: 5.00/5.00