

Sultanus Salehin

Cybersecurity Engineer | Network Security Engineer

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Professional Summary

CSE graduate candidate targeting **Cybersecurity Engineer / Network Security Engineer** roles, with practical exposure from a **Cyber Security Internship at Goinnovior LTD**, production website administration, secure deployment work, and security-focused research. Strong fit for entry-level security roles involving **network security, vulnerability assessment, secure communication, web security, IoT security, Python scripting, and technical documentation**.

Technical Profile

- **Security Tools and Platforms:** Kali Linux, Nmap, Wireshark, Burp Suite, Metasploit, SQLmap, Nikto, Gobuster/Dirb, Hydra, Netcat, SearchSploit, John the Ripper, Hashcat, OpenVAS/Nessus concepts, digital forensic tools.
- **Security Domains:** Network security, TCP/IP fundamentals, packet-analysis concepts, web security, authentication, access control, cryptography fundamentals, IoT security, blockchain security.
- **Programming and Backend:** Python, C, C++, Java, PHP, SQL, JavaScript, Flask, Django, Node.js, REST APIs, database integration, admin panels.
- **AI and Detection:** TensorFlow, PyTorch, OpenCV, XGBoost, feature engineering, explainable AI concepts, graph-based detection research.
- **Infrastructure and Security Administration:** Kaspersky security product exposure, Microsoft Exchange/email server exposure, Git/GitHub, Linux/hosting workflow exposure, secure deployment support, troubleshooting, technical documentation.

Professional Experience

Cyber Security Intern Goinnovior LTD

Recently Completed

- Worked with cybersecurity workflow, security analysis, vulnerability-aware system review, network security concepts, threat assessment, and reporting discipline.
- Connected academic security knowledge with practical requirements: access control, secure configuration, risk-aware thinking, and documentation.

Freelance Web Developer & Administrator

2023 – Present

- Built and maintained production websites, institutional platforms, admin workflows, database-backed systems, hosting, access control, and authentication workflows.
- Worked on secure deployment, troubleshooting, maintenance, and operational reliability. Works: hkmm.edu.bd, coralutilities.co.uk, bhubanmajhi.com.

Security-Focused Researcher and Project Developer

2022 – Present

- Built prototypes across cybersecurity, blockchain, IoT, secure communication, AI-assisted detection, and embedded systems.
- Designed experiments, implemented models, documented findings, and converted research ideas into demonstrable security-oriented systems.

Selected Security and Network Projects

- **Secure LoRa Communication System:** ESP32 and SX1278 LoRa two-way communication with encryption-focused design for low-power network scenarios.
- **Secure Medical Image Transmission Prototype:** AES-EAX encryption, keyed RONI watermarking, LDPC coding, and resumable transport concepts.
- **Illicit Bitcoin Transaction Detection:** Leakage-aware blockchain detection using graph-derived features, Graph-Augmented XGBoost, and GNN baselines.
- **IoT Pond Monitoring System:** IoT environmental sensing and data-driven monitoring workflow. Repository: github.com/S-Salehin/IoT_Pond_Monitoring_9K2
- **Secure Web and Database Systems:** Admin panels, database integration, role-based operations, authentication workflows, and maintenance support.
- **NASA Space Apps Challenge 2025:** Team OrbitX 3D web developer/designer. Live work: leo-orbit-x-2025.vercel.app

Education and Training

B.Sc. in Computer Science and Engineering

Jan 2022 – Jan 2026

Daffodil International University, Dhaka

- Current CGPA: **3.50/4.00**. Relevant coursework: Cybersecurity, Computer Networks, Blockchain, Software Engineering, AI, Database Systems, Embedded Systems, Data Structures, Algorithms.

Erasmus+ KA-171 International Credit Mobility

Feb 2025 – Jun 2025

Yıldız Technical University, Istanbul, Türkiye

- Coursework: Software Engineering, Artificial Intelligence, Computer Organization, Big Data Processing and Analytics; gained international academic and team collaboration exposure.
- **Certified Ethical Hacker (CEH)** — Course completed / examinee.
- **Offensive Security PEN-200** — Course completed / examinee.
- **Cyber Security Internship** — Goinnovior LTD.

Research Work

- **Secure Medical Image Transmission over LoRa**: AES-EAX encryption, keyed RONI watermarking, LDPC coding, and resumable transport; Q2 journal manuscript in application/submission stage.
- **Leakage-Aware Illicit Bitcoin Transaction Detection**: Graph-derived features, Graph-Augmented XGBoost, and GNN baselines; conference-ready manuscript.
- **Explainable WSI Pathology AI with Blockchain-Anchored Evidence Provenance**: Secure evidence preservation and blockchain trust for sensitive AI outputs; Q1 journal manuscript in application/submission stage.

Leadership and Activities

- **Protocol Officer, DIU Job Utsob 2023 and 2024**: Guest protocol, scheduling, faculty/corporate communication, volunteer coordination, and real-time event support.
- **Innovation Work**: Led Team CerebrumX to Solvio AI Hackathon 2025 second phase; participated in Erasmus+ multicultural collaboration and NASA Space Apps 2025.
- **Community**: Co-founder, Nisi Terra; planning, member coordination, outreach, teamwork, and social responsibility activities.

References

Ms. Fatema Tuj Johora

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Declaration

I hereby declare that the information provided in this curriculum vitae is true and correct to the best of my knowledge and belief.

Date:

Signature: _____

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