

Sultanus Salehin

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Professional Objective

Aspiring Cybersecurity and Software Development professional with hands-on experience in **blockchain security, embedded systems, IoT, and AI-driven solutions**. Adept at research, system design, and implementation of secure, efficient digital infrastructures. Seeking opportunities in IT industry roles involving **cybersecurity, software development, and technology management**, with a strong commitment to innovation and organizational growth.

Education

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| <p>B.Sc. Daffodil International University, Dhaka, Bangladesh
in CSE</p> <ul style="list-style-type: none"> • CGPA: 3.44 (Current) • Relevant Coursework: Cybersecurity, Blockchain, Networking, Database Systems, AI, Embedded Systems | Jan 2022 – Present |
| <p>Yıldız Teknik Üniversitesi, Istanbul, Turkey</p> <ul style="list-style-type: none"> • Successfully completed a semester under the Erasmus+ KA-171 International Credit Mobility (ICM) program • Courses included: Software Engineering, Artificial Intelligence, Computer Organization, Big Data Processing and Analytics. • Built international networks with students and professors, participated in multicultural events and academic collaborations. | Feb 2025 – Jun 2025 |

Experience

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| <p>Freelance Web Developer & Administrator</p> <ul style="list-style-type: none"> • Developed and maintained a travel agency website, a UK-based utilities company website, and an institutional website. • Implemented secure hosting, database integration, and admin panels. • Managed SEO optimization and technical troubleshooting. | 2023 – Present |
| <p>Research Assistant (Independent Projects)</p> <ul style="list-style-type: none"> • Conducted research in Blockchain, Cybersecurity and Computer Vision, focusing on communication and robotics mechanisms. • Designed prototypes for IoT and embedded systems security. • Engaged in predictive analysis and cryptographic model testing. | 2022 – Present |

Projects

- **Face & Emotion Recognition System:** Developed a deep learning-based system for real-time facial recognition.
- **Military-grade Rescue Bot and IoT Drone:** Designed a prototype drone with surveillance and attack capabilities using AI/IoT integration. Built a robotic system with sensors and control mechanisms for emergency rescue operations.
- **LoRa Communication System:** Implemented two-way encrypted messaging using ESP32 and SX1278 modules.
- **Management Systems:** Full-stack database-driven project with secure admin verification workflows. Including Hospital Management System, Learning Management System etc.
- **NASA Space App Challenge 2025:** Participated with team OrbitX as a 3D web developer and designer.
- **Solvio AI Hackathon 2025:** Team CerebrumX qualified for the 2nd phase under my leadership. We built a prototype of SME Cashflow Copilot with Anomaly Alerts and Financing.

Research & Academic Projects

- **Explainable AI for Medical Images (Thesis Work):** Ongoing research on interpretable ML models for accurate and transparent medical image analysis.
- **Anomaly Detection in Blockchain Security:** Focused on encryption, hashing algorithms, and predictive analysis for detecting malicious activity.
- **LoRa Module Research:** Experimental study on low-power long-range IoT communication with encryption for secure data exchange.

Technical Skills

- **Certified Ethical Hacker - (CEH),** currently pursuing **PEN200 (Offensive Security)**
- **Languages:** Python, C, C++, Java, PHP, SQL, JavaScript
- **Frameworks/Tools:** TensorFlow, PyTorch, OpenCV, Flask, Django, Node.js
- **Technologies:** Blockchain, IoT, Embedded Systems, Database Management
- **Security Tools:** Nmap, Wireshark, Burp Suite, Metasploit

Leadership & Extracurricular

- **Protocol Officer, DIU Job Utsob 2023 and 2024:** Coordinated event schedules, managed guest protocols, and supported smooth execution of large-scale university job fairs.
- Co-founder of Nisi Terra, an environmental organization.
- Organized university club and community events, fostering teamwork and leadership.
- Actively participated in volunteer initiatives, professional workshops, and **Erasmus+ exchange programs**, building strong multicultural networks and enhancing global exposure.

References

- **Dr. Serajul Hoque**
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