

Swagotam Malakar

Computer Science & Engineering Student

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Education

- 2022–2026 **B.Sc. in Computer Science & Engineering**, United International University, Dhaka, (Expected) Bangladesh.
- 2020 **Higher Secondary Certificate (HSC)**, Govt. Science College, Dhaka, Bangladesh.
GPA: 5.00/5.00
- 2018 **Secondary School Certificate (SSC)**, Jury Govt. Model High School, Sylhet, Bangladesh.
GPA: 5.00/5.00

Experience

- Nov 2024–Present **Researcher**, Center for Emerging Networks and Technologies Research (CENTeR), United International University, Dhaka.
- Conducting research on emerging network technologies, focusing on security, scalability, and performance optimization.
 - Collaborating on research publications and technical reports.
 - Developing simulation models for network performance analysis.
- 2018–2020 **Quizzer**, Govt. Science College Science Club, Dhaka, Bangladesh.
- Participated in and won multiple science and technology quiz competitions.
 - Represented the institution at inter-college quiz contests.

Online Training & Certifications

Programming Certifications

- Python (Basic) Certificate - HackerRank
- Software Engineer Certificate - HackerRank
- Java Programming for Complete Beginners to Advanced - Udemy
- Python Programming Complete Beginners Course Bootcamp - Udemy
- Solving LeetCode's Top Interview Questions in Java - Udemy
- The Complete Introduction to C++ Programming - Udemy
- CS106A - Stanford Code in Place
- CLA ☐C Programming Language Certified Associate - Cisco Networking Academy
- CLE ☐C Certified Entry-Level Programmer - Cisco Networking Academy
- Python Complete Course for Beginners - Udemy

Networking and Cybersecurity Certifications

- Cybersecurity Essentials - Cisco Networking Academy
- Introduction to Cybersecurity - Cisco Networking Academy
- CCNA: Introduction to Networks - Cisco Networking Academy
- Cybersecurity for Engineers - Center for Emerging Networks and Technologies Research (CENTeR)
- DevOps for Engineers - Center for Emerging Networks and Technologies Research (CENTeR)
- NDG Linux Essentials - Cisco Networking Academy

Projects

- Blockchain for Pharmaceutical Supply Chain Integrity** *Counterfeit Drug Prevention in Bangladesh*
- Researched vulnerabilities in the pharmaceutical supply chain.
 - Implemented blockchain for end-to-end traceability and regulatory compliance.
 - Addressed industry challenges such as regulatory gaps and collaboration.
- Impact:** Improved patient safety, enhanced regulatory adherence, and provided a scalable framework for blockchain integration.
- (Click Here)

Honours & Awards

- Board Scholarship in PSC, JSC, and SSC exams from Sylhet Education Board.
- Best Student Award during National Education Week (2018).
- Multiple awards in Science Olympiad, Debate Competitions, and Essay Writing.

Technical Skills

Programming	C/C++, Python, Java
Web Development	HTML, CSS, JavaScript, React
Databases	MySQL, PostgreSQL, MongoDB
Cloud & DevOps	AWS, Linux, Docker, Jenkins, GitHub Actions
Software & Tools	Microsoft 365, Git

Language Proficiency

English	Written: Proficient, Spoken: Proficient, Reading: Proficient
Bangla	Native Speaker
Hindi	Written: Basic, Spoken: Proficient, Reading: Basic