

SALSABILA ZAMAN

Software Engineer

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📄 SUMMARY

Motivated and analytically minded Software Engineering undergraduate with experience in building secure, scalable systems. Skilled in backend development, machine learning, and clean architecture. Enjoys applying logical thinking to tackle complex technical challenges.

🎓 EDUCATION

University of Dhaka, Bachelors of Science in Software Engineering
September 2022 – Present
CGPA(Till Present) : 3.85 /4 .0

Birshrestha Noor Mohammad Public College, Higher Secondary Certificate
July 2019 – December 2021
GPA : 5.0 / 5.0

Birshrestha Noor Mohammad Public College, Secondary School Certificate
January 2017 – February 2019
GPA : 5.0 / 5.0

🧠 SKILLS

Languages — C/C++ Python Java

Web — HTML CSS JavaScript NodeJS

Frameworks — Django ExpressJS Flask

Databases — SQLite MySQL PostgreSQL

Tools — Apktool Numpy DroidBot

Others — REST APIs Clean Architecture

📁 PROJECTS

DroidScanner, <https://github.com/Shaiikh1828/SPL-2>
App Security Management System using Python, PyQt5, SQLite, Machine Learning 🔗

- Engineered a desktop application that analyzes Android APK files and classifies them as malicious or benign using a supervised learning model
- Extracted and mapped features from manifest files into a structured database for efficient ML-based threat detection

Connect4, <https://github.com/FarhanTausif/ConnectFour>
A graphical game with AI Strategy Engine using HTML, CSS, JavaScript 🔗

- Developed an interactive browser game supporting both Player vs Player and Player vs AI modes
- Engineered the AI opponent using the Minimax algorithm with Alpha-Beta Pruning for strategic gameplay

Numeric Operations Library,

<https://github.com/SalsabilaZaman/SPL-1>
Mathematical Computation Framework in C++ 🔗

- Created a modular library with 17+ numeric tools including prime operations, expression evaluation, equation solvers, and matrix computations
- Applied structured programming principles to ensure re-usability, precision, and clarity for diverse mathematical applications

🧩 CAPTURE THE FLAG

- Solved 100+ CTF problems [Forensics,Reverse Engineering,OSINT, PWN, Steganography, Cryptography]
- Phoenix Summit CTF 2025 - 21st
- Cyber Raid CTF 2025 (Preli) - 48th
- Cyber Drill 2025 (Preli) - 58th

🏆 KEY ACHIEVEMENTS

Finalist, UAP Cyber Siege 2025

Demonstrated strong cybersecurity skills as a finalist in UAP Cyber Siege 2025, competing in a national CTF competition

2nd Runner-up, National Number Carnival, BUET 2025

Achieved 2nd Runner-up in National Number Carnival, BUET 2025 by showcasing advanced problem-solving skills in competitive Sudoku

Active Problem Solver on Codeforces

Solved 200+ Problems on Codeforces, building a strong foundation in algorithms and data structures