

Gour Gupal Talukder Shawon

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Education

B.Sc in Software Engineering **Shahjalal University of Science and Technology, Sylhet, Bangladesh** *March 2022 – Present*

- CGPA: 3.37/4.0
- **Coursework:** DSA, OOP, Computer Networking, Architecture, Distributed System, Operating System, AI, Machine Learning, Linear and Abstract Algebra, Coordinate Geometry and Calculus etc.

Algorithmic Problem Solving

- Solved 500+ [LeetCode](#) problems, max streak **345** day, rating: **1568**(max) and earned 18 badges.
- Completed 250–300 algorithmic problems on Codeforces, UVA, and VJudge platforms.

Projects

Personality Detection Using Machine Learning (*Jun 2025 - Jul 2025*)

[github/repository](#)

- Built a ML-based personality detection system using behavioral data, achieving ~ 91% test accuracy with Random Forest.
- Contributed to data preprocessing, feature engineering, and model refinement, implemented Python (Flask) back-end for real-time predictions.
- Tools Used: Python, scikit-learn, Flask, Next.js, Pandas, NumPy, joblib

Local Household Service Provider (*Dec 2024 - May 2025*)

[github/repository](#)

- Led end-to-end development: responsive UI/UX, booking APIs, payment integration, email notifications, and data-fetching solutions.
- Integrated AI chatbot (Google Gemini) and authored key documentation including SRS and proposal.
- Tools Used: Next.js, Express.js, MongoDB, Nodemailer, Cloudinary.

IICT Library Management (*May 2024 – Aug 2024*)

[github/repository](#)

- Developed full-stack system to digitize library services with catalog browsing, lending history, and role-based workflows.
- Built responsive UI with React/TypeScript, implemented backend auth, collaborated on Git-based version control.
- Tools Used: React, Node.js, Express.js, TypeScript, CSS

Green Mind App (*Oct 2023 – Jan 2024*)

[github/repository](#)

- Developed Flutter app to digitize psychiatrist appointments at SUST, eliminating manual booking and reducing admin workload.
- Built intuitive UI/UX with secure Firebase authentication for role-specific access.
- Tools Used: Flutter, Dart, Firebase

Run and Survive-2D C++ Game (*Jan 2023 – Feb 2023*)

[github/repository](#)

- Co-developed 2D side-scroller game from scratch with obstacle-jumping mechanics, resolved rendering and jump logic for smooth gameplay.
- Led debugging efforts, fostered collaboration and knowledge-sharing within the team.

Certifications and Online Courses

- **Machine Learning Crash Course – Google:** Completed comprehensive lessons on core ML concepts, including TensorFlow exercises.
- **Introduction to Generative AI with AWS – Udacity:** Completed training using AWS SageMaker to fine-tune LLMs with focus on prompt engineering.

Technical Skills

Languages: C++, Python, JavaScript, TypeScript

Frameworks: Next.js, React, Express.js, Flutter

Tools: Git and Github

Databases: MySQL, MongoDB, Firebase