# Gour Gupal Talukder Shawon

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## Education

*B.Sc in Software Engineering*      March 2022 – Present
**Shahjalal University of Science and Technology**, *Sylhet, Bangladesh*
○ CGPA: 3.37/4.0
○ **Coursework:** OOP,DSA,Computer Networking, Architecture, Distributed System, Operating System, Artificial intelligence , Machine Learning, etc.

## Projects

**Local Household Service Provider** *(Dec 2024 - May 2025)*     *github/repository* ↗
○ Led end-to-end development: crafted responsive UI/UX, built booking APIs, integrated payments, email notifications, and resolved data-fetching issues.
○ Contributed to AI chatbot integration (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 a full-stack system to digitize library services with catalog browsing, lending history, real-time availability, and role-based workflows.
○ Built responsive UI with React and TypeScript, implemented backend auth and data models, and collaborated on Git-based version control.
○ Tools Used: React, Node.js, Express.js, TypeScript, CSS

**Green Mind App** *(Oct 2023 – Jan 2024)*     *github/repository* ↗
○ Solely developed a Flutter app to digitize psychiatrist appointment scheduling at SUST, eliminating manual booking and easing admin workload.
○ Built intuitive UI/UX for patients and doctor, with secure Firebase-based authentication for role-specific access.
○ Tools Used: Flutter, Dart, Firebase

**Run and Survive-2D C++ Game** *(Jan 2023 – Feb 2023)*     *github/repository* ↗
○ Co-developed a 2D side-scroller game from scratch where players jump over obstacles to survive and score, resolving rendering and jump logic issues for smooth gameplay.
○ Led debugging efforts, overcame dev hurdles through mentorship, and fostered collaboration and knowledge-sharing within the team.

**Personal Portfolio** *(May 2025 – Jun 2025)*     *github/repository* ↗
○ Developed a responsive, full-stack portfolio using Next.js, TypeScript, and Tailwind CSS; deployed on Vercel with modular architecture and mobile-first design.
○ Integrated real-time LeetCode stats via GraphQL API and showcased projects and skills through an interactive, theme-aware UI with animations.

## Technical Skills

**Languages:** C++, Python, JavaScript, TypeScript     **Tools:** Git, Firebase, Cloudinary
**Frameworks:** React, Next.js, Express.js, Flutter     **Databases:** MongoDB, MySQL

## Algorithmic Problem Solving

○ Solved 450+ LeetCode ↗ problems, max streak **290** day, rating: **1568** and earned 16 badges.
○ Completed 250–300 algorithmic problems on Codeforces, UVA, and VJudge platforms.

## Certifications and Online Courses

○ **Machine Learning Crash Course – Google:** Completed comprehensive lessons and quizzes on core ML concepts, including TensorFlow hands-on exercises.
○ **Introduction to Generative AI with AWS – Udacity:** Completed project-based training using AWS SageMaker to fine-tune large language models with emphasis on prompt engineering and AI ethics.