Md. Tanvir Anjum

Computer Science & Engineering Undergraduate

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GitHub | LinkedIn | Codeforces | LeetCode

Computer Science and Engineering undergraduate at Patuakhali Science and Technology University with a **3.820/4.000 CGPA** and hands-on experience building full-stack applications, relational database systems, and ESP32-based embedded projects. Interested in machine learning, deep learning, artificial intelligence, and robotics, with a long-term goal of pursuing graduate study and research in intelligent systems.

EDUCATION

Patuakhali Science and Technology University (PSTU) Session 2023–2024
B.Sc. Engineering in Computer Science and Engineering
4th-semester undergraduate | **CGPA: 3.820/4.000** (through 3rd semester)
Honors: Dean's Merit Award (Level 1); 1st merit position in the 3rd semester.

SELECTED PROJECTS

ShareSync – Share Market Portfolio Tracker GitHub
ASP.NET Core (C#), Entity Framework Core, MySQL 8, JavaScript, Bootstrap 5, Chart.js

- Developed a full-stack portfolio tracker for holdings, buy/sell transactions, watchlists, dividends, and reports. Added investment metrics including CAGR, annualized volatility, and maximum drawdown, with a catalog of 400+ DSE-listed companies.

NAS Sync – ESP32 Mini NAS and Media Server GitHub
C++, ESP32, microSD, OLED, DHT11, PlatformIO

- Built an ESP32-based network storage and media server with browser-based file management, uploads/downloads, media viewing, OLED status display, and temperature/humidity monitoring.

Campus Sync – Academic Scheduling and Coordination Platform GitHub
HTML, CSS, JavaScript, SQL

- Prototyped a scheduling platform for PSTU CSE with class confirmations, available time slots, and schedule-conflict checks; the current demonstration uses mock data.

Smart Railway Track Health Monitoring Prototype Project post
ESP32, sensors, OLED, buzzer, embedded systems

- Designed an IoT railway-safety prototype combining train-speed monitoring, obstacle detection, automatic signaling, live OLED status, and buzzer alerts.

PSTU Student Enrollment System GitHub
Java, Object-Oriented Programming

- Implemented a console-based enrollment and fee-management system with role-based access, payment approval, transaction receipts, student records, and CSV export.

TECHNICAL SKILLS

Programming	C, C++, Java, C#, JavaScript, SQL
Web / Frameworks	ASP.NET Core, Entity Framework Core, HTML5, CSS3, Bootstrap 5, Chart.js
Databases	MySQL, Oracle
Embedded / Tools	ESP32, PlatformIO, Git, GitHub, Visual Studio Code
Problem Solving	Data Structures and Algorithms, competitive programming (Codeforces, LeetCode)

RESEARCH INTERESTS

Machine Learning | Deep Learning | Artificial Intelligence | Robotics | Intelligent Embedded Systems