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EDUCATION

B.Sc in Computer Science & Engineering

2022 – Present

Rajshahi University of Engineering & Technology (RUET), Bangladesh

CGPA: 3.50 / 4.00

UNDERGRAD THESIS

- **An Uncertainty-Aware Few-Shot Framework for Cross-Domain Plant Disease Classification** *1st Author* - Not Yet Published
 - A research work on robust few-shot classification utilizing dual attention and predictive entropy to maintain high accuracy in wild, unconstrained environments.

PROJECTS & PRACTICAL EXPERIENCE

MegaMart — Full-Stack E-Commerce Platform

Course Project

- Built a full-stack e-commerce platform using **React**, **Express.js**, and **MongoDB** with secure **JWT-based cookie authentication**.
- Implemented **OTP-based password reset**, **role-based access control**, and separate **admin and seller dashboards**.
- Developed complete **product catalog CRUD**, category-based browsing, and search functionality using **regex matching**.
- Designed cart workflows including **add**, **update**, **delete**, dynamic price calculation, and order totals.
- Integrated online payment systems using **Stripe** and **SSLCommerz** for secure checkout.

the_daily_cycle — Flutter Meal Tracking App

Course Project

- Developed a **Flutter-based meal tracking application** with calendar-driven daily meal logging and monthly cost summaries.
- Implemented **local data persistence** using **SharedPreferences** with structured **JSON serialization**.
- Designed and built UI components including a **splash screen**, calendar-based navigation, and **dialog-driven data entry**.

COMPETITIVE PROGRAMMING

- **Codeforces**: Max Rating **1086** codeforces.com/profile/tanvirakon
- **CodeChef**: Max Rating **1365** codechef.com/users/tanvirakon
- Regular practice of **data structures and algorithms** for exam preparation and coding efficiency.
- Familiar with common problem-solving patterns used in competitive programming.

CORE TECHNICAL SKILLS

Programming:	C, C++, Python, JavaScript
Web Development:	HTML5, CSS3, JavaScript, MERN
App Development:	Flutter
Computer Science:	Data Structures & Algorithms, Object-Oriented Programming, Problem Solving
Database:	SQL, Database Design (basic)
Tools & Markup:	Git, GitHub, L ^A T _E X
Design Tools:	Adobe Photoshop, Adobe Premiere Pro

INDEPENDENT WORK & CONTENT CREATION

- Independently developed and actively use personal projects, including multiple **Chrome extensions** and **Flutter applications**, built outside formal coursework to support everyday workflows.
- Manage multiple **YouTube channels** focused on educational and entertainment content (200+ subscribers), gaining hands-on experience in content planning, consistency, and audience engagement.
- Regular chess player on **Chess.com** with a **850+ rapid rating**, demonstrating analytical thinking, pattern recognition, and strategic decision-making.