MD TANVIR HASSAN JOY

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Education

Daffodil International University   **2019 - 2024**

Bachelor of Computer Science and Engineering

CGPA: 3.86/4.0

Relevant courses: Compiler design, Algorithms, Operating systems, Data structures,
Data mining, Database management system, Artificial intelligence, Software engineering

Skills

Technical: C++, JavaScript, Node.js, Express.js, React.js, HTML, CSS, MongoDB, MySQL, Docker, Socket.IO
Version Control: Git, GitHub
Office Tools: Word, PowerPoint, Google Docs
Developer Tools: Postman, VS Code

Projects

Portfolio   **Source Code**
- Personal portfolio made with **React and framer motion**
- Live at https://joy-portfolio-chi.vercel.app/

Pandamarks   **Source Code**
- Web application to streamline the way users save, organize, and retrieve their favorite websites, made with **React, Shadcn, Redux, Express and MongoDB.**
- Live at https://pandamarks-app.vercel.app/

DownWatch   **Source Code**
- Uptime and downtime monitor built with **React, Node.js, Express, and MongoDB**.
- A full-stack MERN application that monitors website uptime and sends email notifications when a site goes down.

HolaChat   **Source Code**
- Chat application made with **React, Socket.io, Node.js, Express, and MongoDB.**

Vignere-cipher   **Source Code**
- Encrypt and decrypt text using vignere cipher method, made with **React.js.**
- Live link: https://vigenere-cipher-six.vercel.app/

Galaxy Solar System Scene   **Source Code**
- Technologies Used: **C++, OpenGL, GLUT.** Solar system animation using OpenGL and GLUT, showcasing detailed 2D models (planets, moons, and other celestial bodies)
- Planets and moons rotate around the sun at different speeds, simulating their orbits & filled circles with appropriate colors

Problem Solving

- Solved over 1050+ problems in different platforms
- Codeforces solve count: 550+, max rating: 1207
- Leetcode solve count: 140+

Personal Achievements and Experiences

1. **387th (among 2481 teams) ICPC Preliminary Dhaka Site**   **2023**

2. **Regional Physics Olympiad**   **Dec 2015**
   - Bronze medalist