

# MD Rehman Toufique

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🌐 Portfolio

## Education

**BSc in Computer Science and Engineering**

*Rajshahi University of Engineering & Technology*

*Jan 2020 – Jun 2025*

## Achievements

- Codeforces  Max Rank: **Specialist** Max Rating: **1480**
- Codeforces Best Contest Rank: **937**

## Technical Skills

- **Problem Solving:** Solved over 1000 algorithmic problems on Codeforces, Leetcode, HackerRank, and Project Euler. Proficient in Algorithms, Data Structures, Number Theory, OOP, and Dynamic Programming.
- **Programming Languages:** C, C++, JavaScript, Python, PHP
- **Web Development:** HTML, CSS, Node.js, Express.js, React.js, PHP
- **Databases:** MySQL, MongoDB
- **Tools & Version Control:** Git, GitHub, VS Code
- **Machine Learning:** Regression, Classification, Clustering with Scikit-learn, Numpy, Pandas, Matplotlib
- **Operating Systems:** Linux (Ubuntu), Windows

## Projects

### Multi-Vendor E-Commerce Platform

[GitHub](#) 

- Built a full-stack multi-vendor e-commerce site with role-based dashboards and secure JWT auth.
- Integrated real-time chat using Socket.IO and implemented admin approval for sellers.
- Applied CORS, rate limiting, and bcrypt for API security and data protection.
- **Tools Used:** React.js, Node.js, Express.js, MongoDB, JWT, Socket.IO

### Full Stack Todo App

[GitHub](#) 

- Created a user-specific task manager with JWT authentication and protected API routes.
- Implemented full CRUD for tasks with real-time UI updates and "Spin to Pick a Task" feature.
- Frontend and backend deployed separately using Vercel.
- **Tools Used:** React.js, Node.js, Express.js, MongoDB, JWT, Tailwind CSS

### Courier Package Tracker

[GitHub](#) 

- Built a full-stack courier tracking system with real-time updates and stuck-package alerting.
- Backend handles courier status ingestion, state/history persistence, and scheduled alert detection.
- Frontend dashboard displays active packages, timelines, search/filter, and alert indicators with polling.
- **Tools Used:** React.js, Node.js, Express.js, MongoDB, Tailwind CSS

### Real-Time Multiplayer Tic-Tac-Toe

[GitHub](#) 

- Developed a real-time multiplayer game with matchmaking and AI bot integration.
- Used Socket.IO for event-driven communication between players.
- **Tools Used:** Vanilla JavaScript, Node.js, Express.js, Socket.IO