

# TARIN PROSAD GHOSH

MERN Stack Developer — Competitive Programmer — Problem Solver

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## Professional Summary

Full Stack Developer specializing in the MERN stack with strong problem solving skills (1000+ problems solved) and expertise in backend system design. Experienced in building scalable web applications, designing efficient APIs, and working with banking-grade systems. Passionate about writing clean, efficient code, optimizing performance, and building AI driven solutions.

## Skills

**Languages:** C++, Python, JavaScript, TypeScript  
**Frontend:** HTML, CSS, React.js, Next.js, Tailwind CSS, Bootstrap  
**Backend:** Node.js, Express.js, REST APIs  
**Databases:** MongoDB, MySQL, PostgreSQL  
**DevOps & Tools:** Docker, AWS (basic), Nginx, Git, GitHub, CI/CD, Prisma, Postman, Jira  
**Core Concepts:** Data Structures & Algorithms, OOP, System Design Basics

## Experience

### Thakral Information Systems Pvt. Ltd

Jan 2026 – Apr 2026

*Application Support Engineer Intern — Payment Switch Support Team*

- Supported a banking payment switch system deployed at Sonali Bank PLC Head Office
- Analyzed and debugged ISO 8583 financial messages to identify and resolve transaction issues
- Collaborated using Jira to track, prioritize, and resolve production issues in a structured workflow

## Projects

### LifeTech (Full Stack) — Conference Management System for Biological Faculty of JUST | [Live Link](#) | [GitHub](#)

- Built a full-stack conference management system handling paper submission, review, and approval workflows
- Implemented authentication and CI/CD pipeline for secure and scalable deployment
- **Technologies:** Node.js, Express.js, React.js, MongoDB, Tailwind CSS, Firebase Auth, GitHub CI/CD, Docker

### AutoCP (Backend) — AI-Based Competitive Programming Platform | [Live Link](#) | [GitHub](#)

- Developed backend system for AI-driven problem generation using advanced language models
- Implemented automated testcase generation and multi-model validation for accuracy and edge coverage
- **Technologies:** Python, Node.js, Express.js, React.js, Tailwind CSS, MongoDB, JWT, Fine-Tuning, Hugging Face

### PetNest (Backend) — Pet Marketplace & Service Platform | [Live Link](#) | [GitHub](#)

- Developed RESTful APIs for product listings, cart, and order management in a pet marketplace platform
- Integrated secure payment system and AI-based assistance features
- **Technologies:** Node.js, Express.js, React.js, MongoDB, Tailwind CSS, JWT, Gemini API

### AutoCard (Full Stack) — Digital Card Management System | [Live Link](#) | [GitHub](#)

- Developed full-stack system for online application, real-time status tracking, and digital card generation
- Integrated payment gateway and automated approval workflow
- **Technologies:** Node.js, Express.js, React.js, PostgreSQL, Tailwind CSS, JWT

## Programming

Codeforces — [DurjoyGH](#)

Solve Count: 750+

Max Rating: 1214 (Pupil)

Code Chef — [durjoy\\_gh](#)

Solve Count: 150+

Max Rating: 1419 (2 Star)

## Achievements

### SOLVIO AI Hackathon 2025 — Organized by Sheba Platform | [Certificate](#)

- Finalist — Top 10 out of 538 teams

### HackTheAI — Inter-University Hackathon by Green University of Bangladesh | [Ranklist](#)

- Finalist — 41st out of 242 teams

### BUP CSE TECH CARNIVAL-2025 — Hackathon Competition | [Certificate](#)

- Finalist — Top 20 out of 80 teams

## Education

### B.Sc.(Eng) in Computer Science and Engineering

April 2026

*Jashore University of Science and Technology*