

Mohammad Zafar

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[LinkedIn](#) | [GitHub](#) | [Codeforces](#) | [LeetCode](#) | [Portfolio](#)

EDUCATION

Indian Institute of Engineering Science and Technology, Shibpur

B.Tech in Information Technology

Howrah, India

Aug 2023 – May 2027 (Expected)

- **CGPA:** 9.05/10
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented System Design

H N S M Academy

Higher Secondary (UPSBHSIE)

Jaunpur, India

Apr 2021 – May 2022

- **Percentage:** 81.2%

SKILLS

- **Languages:** JavaScript, C/C++, Python, Java
- **Web/MERN Stack:** ReactJs, NodeJs, Express, MongoDB, Sequelize, MySQL, TypeScript
- **Libraries & Tools:** Redux-Toolkit, Socket.io, JWT, Git, GitHub, RESTful APIs
- **Machine Learning:** Scikit-Learn, basic TensorFlow (Python)
- **Other:** Data Structures & Algorithms, Responsive Design, Payment Integration

EXPERIENCE

PixelBank (Live)

Frontend Developer - Freelancing

Remote

August 2025 – September 2025

- Built the responsive frontend for **PixelBank**, a competitive ML problem-solving platform (similar to LeetCode).
- Implemented core UI components (in-browser code editor, problem viewer, submission flow) and integrated with backend APIs.
- Optimized frontend performance and ensured cross-device responsiveness.

PROJECTS

ChatIn — Real-Time Chat App — MERN

GitHub

A real-time group chat application enabling multiple users to join rooms, exchange messages, and view live status indicators. Built with **React** on the frontend. The backend uses **NodeJs/Express** with **Socket.io** for bidirectional communication, and **MongoDB** for persisting user and message data. Implemented **JWT**-based authentication to secure user sessions. Deployed backend on **Render** and frontend on **Vercel** for scalable, low-latency performance.

PenMail — Delayed Delivery Pen-Pal Service

GitHub

Developed the backend for **PenMail**, a virtual pen-pal application featuring interest-based matchmaking and distance-based delivery delays for letters. **Architected RESTful** endpoints using **NodeJs** and **Express**, connected to **MongoDB** for storing user profiles, messages, and stamps metadata. Implemented secure **JWT** authentication, role-based access for admins and users, and an efficient **delay-calculation utility** for timed message release. Integrated **Cloudinary** for image attachments.

BloggingProject — Full-Stack Blogging Platform — MERN

GitHub

Built an MVP blogging platform with **React**, **NodeJs**, **Express**, and **MongoDB**. Features include user authentication, a blog editor, category tagging, and comments. Implemented **RESTful APIs** for CRUD operations on posts and profiles, plus image uploads via **Cloudinary**. Ensured responsive design and optimized queries for fast page loads.

ACHIEVEMENTS

- Participated in **CodeforGood 2025** Hackathon at **JPMorganChase & Co.** Worked with team to solve a real-world problem faced by **PANS Foundation**.
- **Solved 400+** problems on competitive coding platforms (**LeetCode**, **GeeksforGeeks** & **Codeforces**).
- Participated in **Smart India Hackathon 2024** (SIH), qualified at the college level with a 5-member team.