

GOPIKANTA MONDAL

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Summary

Full Stack Web Developer experienced in building **scalable web applications**, **real-time systems**, and **AI-integrated platforms**. Passionate about clean architecture, performance, and developer experience. Currently learning **System Design**, **DevOps**, and **Generative AI**.

Technologies

Languages: C, C++, Java, Python, JavaScript

Front-End: HTML, CSS, VanillaJS, React, Redux, Zustand

UI Libraries: React.js, ShadcnUI

CSS Frameworks: Tailwind CSS, Bootstrap

Version Control: Git, GitHub

Databases: MongoDB, MySQL, PostgreSQL

Back-End: Node.js, Express.js, Socket.IO, WebRTC, Prisma, Redis

GenAI: LangchainJS, OpenAI, Google GenAI SDK, PinecodeDB, GroqAI

Deployment: Linux, Docker, Nginx, PM2, AWS, GitHub Actions

Extra Tools: VS Code, Postman, Vercel, Netlify, Render

Projects

- **Thumbgen – AI Powered Thumbnail Generator** Live Demo | GitHub
 - Built an **AI-powered thumbnail generator** with drag-and-drop uploads, style presets, and font customization.
 - Integrated **image analysis and design suggestions** using Groq API and Gemini models for smart automation.
 - Developed a secure backend with **Passport OAuth2, Prisma, and PostgreSQL**, and a sleek UI with **TailwindCSS + Framer Motion**.
 - Tools: React, TailwindCSS, ShadcnUI, Node.js, Express.js, Passport OAuth2, PostgreSQL, Prisma, Groq API, Gemini Flash 2.5 Preview, Gemini Nano Banana.
- **CoderRoute – Competitive Coding Platform** Live Demo | GitHub
 - Full-stack platform with **real-time collaboration** (Liveblocks), **multi-language code execution** (Judge0), and a Monaco-based editor.
 - Integrated **AI-generated problems, contextual hints, and code reviews** (Groq API).
 - Designed scalable backend with Prisma + PostgreSQL, and secure JWT auth with progress tracking and streaks.
 - Tools: React, TailwindCSS, ShadcnUI, Node.js, Express.js, PostgreSQL, Prisma, Judge0, Groq API.
- **HelloTalk – Real-Time Chat Application** Live Demo | GitHub
 - Built chat app with **private/group chats, file sharing**, friend requests, and notifications.
 - Added **WebRTC one-to-one audio/video calling** inside chat UI.
 - Developed **admin dashboard** with analytics, charts, and moderation tools.
 - Tools: React 19, Vite, Redux Toolkit, TailwindCSS, Node.js, Express, TypeScript, MongoDB, Socket.IO, Cloudinary, WebRTC.

Education

- **Government College of Engineering and Leather Technology** Nov 2022 – June 2026
B.Tech in Computer Science and Engineering Kolkata, India
 - YGPA: 8.50/10.0 (till latest semester)
 - Coursework: Data Structures, Algorithms, DBMS, OS, Web Development, AI/ML
- **Memari V.M. Institution (Unit 1)** 2014 – 2022
Secondary
Higher Secondary Memari, India
 - Class XII (WBCHSE): 92.4%
 - Class X (WBBSE): 97.85%

Achievements

Activities

- Secured **AIR 3575 in GATE 2025**.
- Core Team Member, **Google Developer Group (GDG) Web Development**.
- Active open-source contributor on GitHub.
- Currently learning **System Design, DevOps, and Generative AI**.