

# GOPIKANTA MONDAL

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## Summary

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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

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**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  
**Deployment:** Linux, Docker, Nginx, PM2, AWS, GitHub Actions  
**Extra Tools:** VS Code, Postman, Vercel, Netlify, Render

## Projects

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- **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

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- **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

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- 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**.