Gopikanta Mondal

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Summary

Full Stack Developer skilled in building scalable web apps, real-time systems, and AI-powered RAG/Agent solutions. Focused on clean architecture, performance, and distributed systems design.

Projects

- **CoderRoute – Competitive Coding Platform**   Live | GitHub
  - Real-time collaborative coding platform with multi-language execution (Judge0 + async workers).
  - AI-generated problems and hints using Groq-based prompt pipelines .
  - Implemented role-based auth, leaderboards, streaks, and session persistence.
  - **Stack**: React, Tailwind, Zustand, Node.js, Express, PostgreSQL, Prisma, Judge0, Groq.

- **HelloTalk – Real-Time Chat & Calling Platform**   Live | GitHub
  - Real-time messaging with presence, typing indicators, and group chat.
  - WebRTC audio/video calling with STUN/TURN for NAT traversal.
  - Admin panel for moderation and user analytics; optimized message storage.
  - **Stack**: React, Redux Toolkit, Node.js, Express, MongoDB, Socket.IO, WebRTC, Cloudinary.

Technologies

Primary: JavaScript, Node.js, React, PostgreSQL, Prisma, Docker, Git

Backend: Node.js, Express, REST, WebSockets, Socket.IO, WebRTC, Redis (Caching), BullMQ, Prisma, Auth, Rate Limiting

Frontend: React, Redux, Zustand, Tailwind CSS, Shadcn UI

Databases: PostgreSQL, MySQL, MongoDB

GenAI: LangChainJS, OpenAI API, Groq, Google GenAI, Pinecone

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

Familiar: Java, C++, Python

Education

- **Government College of Engineering and Leather Technology**   Nov 2022 – June 2026
  B.Tech in Computer Science and Engineering (CGPA: 8.55/10)   Kolkata, India

- **Memari V.M. Institution (Unit 1)**   2014 – 2022
  Higher Secondary (WBCHSE): 92.4%   —   *Secondary (WBBSE): 97.85%*   Memari, India

Achievements & Certifications

- Completed **Full Stack Web Development Cohort (160+ hrs)** from ChaiCode. Certificate Link

- Secured **AIR 3575** in **GATE 2025**. Rank Card Link

- Core Team Member, **Google Developer Group (GDG) Web Development**.