

Ghanshyam Kumar

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Education

Vellore Institute of Technology Bhopal University
B.Tech in Computer Science and Engineering — CGPA: 7.97

Bhopal, MP
2022 – 2026

Projects

MedConnect [GitHub](#)

Sept 2024 – Present

- Developed an AI-powered healthcare platform leveraging **Gemini LLM** for symptom and report analysis, reducing diagnosis effort by **40%**.
- Built WebRTC-based video consultation for direct doctor–patient sessions, saving **60%** of in-person visit time.
- Integrated WebSocket-based chat and secure file upload system achieving near-zero latency communication.
- Implemented AI triage engine that recommends personalized care, increasing pre-consultation accuracy by **35%**.
- Enabled doctor verification and analytics dashboard improving platform trust and patient engagement by **50%**.

AI Recruiter Voice Agent [GitHub](#)

Oct 2025 – Present

- Developed an intelligent voice-based interview assistant using **Next.js, React, Vapi, and Supabase**, automating **70%** of manual screenings.
- Integrated **Vapi.ai** for real-time voice synthesis, adaptive dialogues, and conversational flow management.
- Used LLM for dynamic question generation and scoring logic, improving candidate evaluation precision by **40%**.
- Built recruiter dashboard for real-time interview analytics, saving HR teams **45%** of total assessment time.
- Enhanced user experience with one-click interview sharing and transcript summarization using embeddings.

FamEase [GitHub](#)

Jan 2025 – Present

- Created a MERN-based family management system integrating LLM for recipe suggestions from existing ingredients, cutting meal prep time by **60%**.
- Implemented smart grocery inventory, QR/barcode scanning, and low-stock alerts reducing waste by **30%**.
- Built a collaborative dashboard improving household coordination efficiency by **40%**.
- Integrated JWT-based authentication supporting 100+ concurrent active users securely.

RideConnect [GitHub](#)

June 2024 – Present

- Developed a real-time ride-booking app using WebSockets and Google Maps API, reducing average booking latency by **25%**.
- Implemented secure OTP login and live driver tracking, improving user trust and retention by **35%**.
- Optimized driver-passenger matching through geospatial queries, enhancing vehicle utilization by **40%**.
- Designed surge pricing system with dynamic fare calculation increasing driver earnings by **20%**.

Skills

Languages: C++, JavaScript, TypeScript, HTML, CSS

Frameworks: React.js, Next.js, Express.js, Tailwind CSS

Tools: Node.js, Git, Docker, Jenkins, JWT, Postman, REST APIs

Databases: MongoDB, PostgreSQL

Concepts: WebSockets, CI/CD, Cloud Integration, Authentication Systems

Achievements

- Solved 400+ DSA problems across LeetCode and GFG.
- Achieved Global Rank 1149 in LeetCode Biweekly Contest.
- Finalist in 3+ Hackathons (VIT & National level).
- Certified in *"Bits and Bytes of Computer Networking"* (Coursera).
- Certified in *"Cloud Computing"* (NPTEL).