Amit Kumar Godara

Roll No.: 2022ug4023
B. Tech
ECE (with ES and IoT)
Indian Institute Of Information Technology, Ranchi

☎ +91-7665855931
✉ amit.2022ug4023@iiitranchi.ac.in
✉ Amitkumargodara8385@gmail.com
⌽ Github
in LinkedIn

EDUCATION

Indian Institute of Information Technology Ranchi *2026*
B.Tech in Electronics And Communication Engineering (with spec. in ES and IoT) CGPA : 7.86

TECHNICAL SKILLS

Programming Languages: JavaScript, C++, C, Python, SQL
Frontend Technologies: React.js, HTML, CSS, Bootstrap, Tailwind CSS, Responsive Web Design
Backend Technologies: Node.js, Express.js, RESTful APIs, WebSocket, Socket.IO
Databases: MongoDB, MySQL,Pinecone Vector Database
Cloud & DevOps: AWS (EC2, S3), Docker, CI/CD Pipeline, GitHub Actions
AI/ML Technologies: RAG, NLP, GenAI
Developer Tools: Git, GitHub, VS Code, Postman, LangChain
Coursework: Data Structures & Algorithms, Object-Oriented Programming (OOP), Database Management Systems

PERSONAL PROJECTS

EchoPrep ⌽ ⚲ *May 2025*
Tools: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Gemini API, JWT Auth

- **Developed** a domain-specific mock interview system with **AI-driven** question generation covering **50+** UI/UX, web-dev, and ML topics—improved feedback accuracy by **95%** over **100+** **sessions**
- **Integrated** Gemini API to **auto-generate** interview questions and score responses in under 2 seconds, delivering personalized feedback to **150+** unique users
- **Secured** multi-role access (candidates, HR, admins) with **JWT authentication** and **bcrypt hashing**, supporting over **50+** authenticated accounts
- Achieved <**300ms** total response time via **optimized API routing**, lazy loading, and efficient MongoDB queries for low-latency performance under concurrent interview sessions and heavy API usage

Medibot - AI Healthcare Assistant ⌽ ⚲ *Oct 2025*
Python, Flask, LangChain, Pinecone, AWS, GenAI, RAG, CI/CD

- **Document Processing:** Automated **PDF/DOCX**, ingestion into **vector embeddings**,handling 1K+ pages for real-time medical queries.
- **RAG Pipeline:** Design a **RAG** system combining **GenAI model** with semantic search for accurate medical responses.
- **Vector Database:** Integrated **Pinecone** for intelligent document retrieval with custom. **healthcare knowledge base.**
- **Backend API:** Developed a **Flask** app with **LangChain**, supporting 1K+ context-aware medical conversations daily.

CodeGen.ai ⌽ ⚲ *Nov 2025*
React.js, JavaScript, Node.js, Express.js, PostgreSQL, RESTful APIs, API integration

- **Built AI-powered code generator** supporting 10+ languages that reduced manual coding time by 70% using Gemini-2.5-flash API integration with React.js and Express.js
- **Engineered** REST API handling **100+ concurrent** requests with PostgreSQL database (3-table normalized schema) achieving <**50ms query** response time through strategic indexing
- **Designed responsive UI with 95%** mobile compatibility featuring real-time syntax highlighting, pagination, and one-click copy functionality improving user engagement by 85%.
- **Deployed on cloud infrastructure with 99.9% uptime** documented **15+ API** endpoints via Swagger and configured SSL/TLS security for 50+ daily active users.

ACHIEVEMENTS

Ranked Top 150 out of 3000+ participants in the Optigo Inter-IIIT Coding Contest, organized by UnStop .

- Awarded Certification of Merit for consistent performance in the **Deloitte-Technology Job Simulation**, conducted by Deloitte.
- Competed in 5+ national-level coding competitions (Flipkart Grid 6.0, AlphaGrep Scholarship, Amazon ML Summer School, Inter-IIIT contests) demonstrating advanced problem-solving and ML expertise.
- Team Leader – SIH Internal Hackathon: Directed a 5-member team to successfully deploy a student counseling web application.
- Motivated and mentored 100+ juniors in web development and coding practices, while driving participation of 50+ peers in IIIT Ranchi technical & cultural events.