

# MD AKRAM

☎ +91-8607579202 | ✉ [akramshahjada786@gmail.com](mailto:akramshahjada786@gmail.com)

in [linkedin.com/in/akramshahjada](https://www.linkedin.com/in/akramshahjada) | 🐙 [github.com/IamAkram321](https://github.com/IamAkram321) | </> [leetcode.com/u/IamAkram321](https://leetcode.com/u/IamAkram321)

## EDUCATION

- **KPR Institute of Engineering and Technology** Jul 2022 – Present  
*B.E. in Civil Engineering, CGPA: 8.7/10.0*  
Coimbatore, Tamil Nadu
  - **Relevant Coursework:** DSA, OOPs, DBMS, Computer Networks, Operating System

## PROJECTS

- **SaarthiAI** | *Next.js, React, Redux, Tailwind CSS, Gemini API* | [Source Code](#)
  - Developed a **ChatGPT-like AI chatbot** with **Next.js, React, Redux**, ensuring seamless state management.
  - Implemented **persistent context** for smooth multi-turn conversations and robust **error handling**.
  - Designed a **responsive UI** with **Tailwind CSS**, deployed on **Vercel** for high availability.
- **Collaborative Real-Time Code Editor** | *React, Node.js, Express.js, MongoDB, Socket.io* | [Source Code](#)
  - Built a low-latency real-time code editor with **React** frontend and **Socket.io**, achieving <100ms sync latency.
  - Implemented operational transformation algorithms ensuring **conflict-free document states**.
  - Optimized performance with **debounced state updates** and efficient network utilization.
- **Huffman Compressor** | *C++, WebAssembly, HTML, CSS, JavaScript* | [Source Code](#)
  - Implemented a **lossless compression algorithm** in **C++** with up to **69% text size reduction**.
  - Compiled to **WebAssembly** for browser-based performance and built an interactive UI with **JavaScript**.
  - Used **priority queues** and **binary trees** for optimal frequency analysis and encoding.

## EXPERIENCE

- **Innomatics Research Labs** Jan 2025 – Mar 2025  
*Full Stack Developer Intern* Hyderabad, Telangana
  - Developed frontend modules with **React.js, Redux, Tailwind CSS**, ensuring smooth UX and responsive design.
  - Collaborated with backend team to integrate REST APIs, enhancing data flow efficiency and user interactions.
  - Contributed to healthcare booking system, enabling **10k+ users** with secure and scalable features.
- **Kathmandu Metropolitan City Office** Jan 2024 – Feb 2024  
*e-Governance Tech Intern* Kathmandu, Nepal
  - Enhanced e-BPS portal UI with **HTML, CSS, JavaScript**, securing 50k+ citizen records with encrypted workflows.
  - Integrated **REST APIs** and AutoCAD tools to automate building permit processes, reducing approval time by 50%.

## TECHNICAL SKILLS

**Frontend:** React.js, Redux, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS

**Programming:** C++, SQL, Python

**Tools:** GitHub, VS Code, Postman, Google Colab

**Frameworks:** Node.js, Express.js, MongoDB, Material UI

## CERTIFICATIONS & ACHIEVEMENTS

- Solved **250+ problems** on **LeetCode** focusing on algorithms and problem-solving.
- Ranked **1st** on **GeeksforGeeks** (Institution) with a **1224 coding score, 300+ problems solved**.
- **4\*** at **HackerRank** in problem-solving.
- Achieved **Top 10** in GDG on Campus Coding Competition among 500+ participants.
- Won **Best Award** at **INNOVSENSE'24 Hackathon** for developing a carbon footprint analyzer system.
- Executive Member of **Software Development Club**, organizing coding events, workshops, and mentoring peers.