MD Akram

📞 +91-8607579202 | ✉ akramshahjada786@gmail.com | in akramshahjada | ⭘ IamAkram321 | </> LeetCode

EDUCATION

KPR Institute of Engineering and Technology — Jul 2022 – Present
B.E. in Civil Engineering, CGPA: 8.92/10.0 — *Coimbatore, Tamil Nadu*
- Pivoted to software development through self-taught skills and placement cell exposure.

Kathmandu BernHardt Secondary School — Jul 2018 – Aug 2020
Science (Physics, Chemistry, Math), CGPA: 3.65/4.0 — *Kathmandu, Nepal*

EXPERIENCE

Innomatics Research Labs — Jan 2025 – Mar 2025
Full Stack Developer Intern — *Hyderabad, Telangana*
- Engineered SwasthScript, a MERN-stack healthcare app with Razorpay and Stripe, reducing payment processing time by 40%.
- Collaborated on full-stack features using React, Node.js, and MongoDB, improving app scalability by 25%.

Kathmandu Metropolitan City Office — Jan 2024 – Feb 2024
e-Governance Tech Intern — *Kathmandu, Nepal*
- Strengthened e-BPS portal security with advanced encryption, safeguarding sensitive user data.
- Developed an AutoCAD-integrated permit system, slashing approval times by 50%.

PROJECTS

AI Agent Chatbot | *JavaScript, Express, Gemini API, X API*
- Built an AI chatbot with MCP server, integrating Gemini for conversations and X API for social posting.
- Enabled real-time tool execution (e.g., math, posts) via Server-Sent Events.
- Deployed locally with Git, mastering API authentication and responsive design.

Huffman Compressor | *C++, WebAssembly, HTML, CSS, JavaScript* | LINK
- Developed a web-based text compression tool using Huffman Coding in C++, compiled to WebAssembly with Emscripten.
- Achieved up to 69% size reduction (e.g., "md akram" from 64 bits to 20 bits) with a dynamic compression ratio display.
- Designed an interactive UI with HTML, CSS, and JavaScript, enabling users to compress text via a browser interface.
- Deployed locally with http-server; prepared for GitHub Pages hosting with Git version control.

Portfolio | *React, Tailwind CSS* | LINK
- Developed a fully responsive portfolio website using React to effectively highlight my skills and projects.
- Crafted a sleek and modern user interface with Tailwind CSS, ensuring compatibility across various devices.
- Integrated dynamic content and smooth animations to enhance user experience and showcase technical abilities.
- Deployed the site on Vercel using Git for version control, achieving fast load times and reliable performance.

MemoryMatch | *HTML, CSS, JavaScript, GitHub Pages* | LINK
- Constructed an interactive memory game with 4+ categories using HTML, CSS, and JavaScript, challenging users to match pairs within a time limit.
- Designed a responsive and engaging user interface with animations to enhance user interaction and enjoyment.

TECHNICAL SKILLS

Languages: C/C++, JavaScript, MySQL, HTML, CSS
Frameworks & Databases: React, Node.js, Express.js, MongoDB, WordPress, Material-UI
Tools: Git, VS Code, Vite, Vercel, Netlify, Jira, Trello
Libraries: Tailwind CSS, JWT, bcrypt.js, Multer

CERTIFICATIONS & ACHIEVEMENTS

- Ranked 2nd on GeeksforGeeks (Institution) with 667 coding score by solving 179+ problems.
- Earned Best Idea Award at INNOVSENSE'24 Hackathon for innovative solution design.
- Achieved Top 10 ranking in GDG on-campus coding competition at JS College of Engineering.
- Completed Responsive Web Design Certification – freeCodeCamp (LINK).
- Obtained Generative AI Certification – LinkedIn (LINK).