

MD AKRAM

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EDUCATION

KPR Institute of Engineering and Technology

B.E. in Civil Engineering, CGPA: 8.92/10.0

- Pivoted to software development through self-taught skills and placement cell exposure.

Jul 2022 – Present

Coimbatore, Tamil Nadu

Kathmandu BernHardt Secondary School

Science (Physics, Chemistry, Math), CGPA: 3.65/4.0

Jul 2018 – Aug 2020

Kathmandu, Nepal

EXPERIENCE

Innomatics Research Labs

Full Stack Developer Intern

- 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%.

Jan 2025 – Mar 2025

Hyderabad, Telangana

Kathmandu Metropolitan City Office

e-Governance Tech Intern

- Strengthened e-BPS portal security with advanced encryption, safeguarding sensitive user data.
- Developed an AutoCAD-integrated permit system, slashing approval times by 50%.

Jan 2024 – Feb 2024

Kathmandu, Nepal

PROJECTS

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.

QueryHub | React, Vercel | [LINK](#)

- Created a React-based to-do application designed to streamline task management with an intuitive interface.
- Designed a highly responsive user interface using JavaScript to improve usability on both desktop and mobile.
- Deployed the application on Vercel with Git integration, enabling seamless updates and consistent 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](#)).