MD MOSHIN KHAN

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Summary

Full Stack Developer proficient in the Next.js ecosystem, React, and modern UI engineering. Experienced in building complex, secure applications featuring AI integration (LLMs), end-to-end encryption, and real-time gamification. Strong background in problem-solving with over 3,000 academic solutions delivered. Passionate about creating high-performance, responsive web applications.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3, C++
Frameworks: Next.js 15 (App Router), React.js, Tailwind CSS v4, Redux Toolkit, Framer Motion
Backend & Tools: Node.js, Prisma ORM, PostgreSQL, Firebase, Server Actions, Git, Vercel, Zod
Specializations: AI Integration (Groq SDK), AES Encryption, REST APIs, UI/UX Design

Projects

Truth Is Optional — *Next.js 15, Groq SDK, Framer Motion, Web Audio API*   **Live Demo**
- Developed a "Reality Distortion Simulator" utilizing Llama 3.3 (via Groq) to demonstrate media framing by transforming neutral facts into 5 distinct psychological narratives (Fear, Politics, Authority, etc.).
- Engineered an immersive "Cyber-Minimalist" UI featuring procedural audio (Web Audio API) for tactile feedback and matrix-style decryption text effects to enhance user engagement.
- Implemented a "De-Programmer" mode that performs tactical autopsies on biased text, revealing original objective facts while identifying manipulative marketing and chaos-inducing mechanics.

Arguely — *Next.js 15, TypeScript, Prisma, AES Encryption, AI SDK*   **Live Demo**
- Architected a secure, AI-moderated debating platform featuring "Solo vs AI" and "PvP" competitive modes.
- Integrated Llama 3.3 to function as a "Supreme Judge," enabling real-time logical fallacy detection and automated scoring (0-100) based on live debate transcripts.
- Engineered End-to-End Encryption (AES-256-CBC) to ensure content privacy and implemented a "Waiting Room" system for seamless live matchmaking.

Crypto Tracker — *React.js, Vite, Context API, CoinGecko API*   **Live Demo**
- Built a high-performance cryptocurrency dashboard tracking real-time prices and market data for thousands of global assets.
- Implemented global state management via Context API to handle multi-currency support (USD, EUR, INR) across the entire application.
- Integrated React Google Charts to render dynamic 10-day historical price graphs and trend analysis for individual coins.

Experience

Cod-Tech IT Solutions   **Remote**
Frontend Web Developer Intern   *Nov 2024 – Dec 2024*
- Building responsive UIs using React.js and Tailwind CSS, ensuring cross-browser compatibility.
- Improving UI performance by 15% through code splitting, image optimization, and efficient state management.
- Resolving bugs and enhancing user flows using Git/GitHub for version control and collaboration.

ITorigin Academy   **Kolkata, India**
Cybersecurity Trainee   *Dec 2023 – Jan 2024*
- Performed vulnerability scans utilizing industry-standard network tools and completed 10+ hands-on labs.

Chegg   **Remote**
Computer Science Expert   *Feb 2023 – Aug 2023*
- Delivered 3,000+ computer science solutions with over 90% accuracy, adhering to strict quality guidelines.
- Explained complex algorithms and technical concepts step-by-step, consistently achieving daily targets.

Education & Certifications

Institute of Management Study   **Kolkata, India**
Bachelor of Computer Applications (BCA) | CGPA: 7.1/10   *2025*

Certifications: Oracle Certified AI Foundation Associate, Google Foundations of User Experience (UX) Design