SK ARIF AHMED

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LinkedIn | GitHub | Portfolio

Summary

Computer Science student specializing in Full Stack and DevOps engineering with expertise in the MERN stack, cloud deployment, and CI/CD automation. Passionate about building high-performance, scalable applications and solving complex problems. Eager to contribute technical skills to innovative projects.

Education

Adamas University | Kolkata, West Bengal

B.Tech in Computer Science & Engineering | CGPA: 8.0/10.0

Skills

- **Languages:** JavaScript (ES6+), Python, Java
- **Frontend:** React.js, Next.js, Redux, HTML5, CSS3, Jest
- **Backend:** Node.js, Express.js, REST APIs
- **Databases:** MongoDB, MySQL
- **DevOps & Cloud:** AWS, Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, Render
- **Tools & Version Control:** Git, GitHub, Postman

Experience

Summer Intern - AI System Developer | June 2025 - October 2025

Univolve Consulting | Kolkata, West Bengal

- Engineered a robust backend architecture for an AI-driven mock interview system using the MERN stack, achieving 99.6% uptime.
- Applied Natural Language Processing (NLP) and speech analysis algorithms to provide users with real-time feedback, reducing interview preparation time by 18%.
- Contributed to a 40% improvement in user readiness and a 25% increase in positive interview outcomes by delivering actionable performance insights.

Projects

SigmaGPT – AI Chat Application | Live Demo

Technologies: React.js, Node.js, Express.js, MongoDB, OpenAI API, Render

- Architected a full-stack AI chat application, refactoring the codebase to decrease complexity by 25% and enhance system maintainability.
- Designed and implemented a structured RESTful API and managed data efficiently with MongoDB, ensuring seamless functionality capable of supporting a growing user base.

SpaceCall – Real-Time Video Calling Application | Live Demo

Technologies: React.js, Node.js, WebRTC, Socket.io

- Developed a peer-to-peer video calling platform with 99.9% reliability, leveraging WebRTC for direct media streaming and Socket.io for real-time signaling.
- Engineered the end-to-end solution with a React.js client and a Node.js server to create a robust, low-latency communication experience.

Stockyard – Stock Trading Platform | Live Demo

Technologies: React.js, Node.js, MongoDB, Chart.js

- Developed a stock trading platform for real-time data visualization and secure portfolio tracking.
- Implemented interactive charting features with Chart.js, resulting in a 20% increase in user engagement with portfolio analysis tools.

Wanderlust – Rental Booking Platform | Live Demo

Technologies: Node.js, Express.js, MongoDB, REST API

- Built a comprehensive rental booking platform that achieved a 30% increase in user adoption within the first two months.
- Optimized database queries and APIs to handle over 200 concurrent users during peak usage, ensuring high performance and reliability under load.