Syed Arif

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PROFESSIONAL SUMMARY

Backend-focused Full Stack Developer experienced in building secure, scalable systems using Node.js, MongoDB, and REST APIs. Strong in real-time architectures (Socket.IO), Role-Based Access Control (RBAC), and applied cryptography (AES-256, ECDSA). Solved 500+ DSA problems with solid system-level problem solving and backend design skills.

EDUCATION

CMR College of Engineering and Technology   Hyderabad, India

*Bachelor of Technology - CSE (Cyber Security) - **CGPA: 8.39***   *2022 – 2026*

PROJECTS

SignSure | *MERN Stack, Tailwind, Zustand, Shadcn UI, Cryptography*   Jul 2025 – Present
  – Developed a secure document-signing platform using **client-side cryptography**, ensuring **0 private-key exposure on the server**.
  – Implemented **ECDSA key-pair generation** and **AES-256 encrypted local storage**, securing digital identities against server-side breaches.
  – Built **JWT-protected REST APIs** to verify document signatures, validated across **100+ cryptographic test cases**.
  – Designed verification flows ensuring **tamper-proof document integrity** during upload and validation.
  – Live Site Here | GitHub Repo

MyRoomMate | *MERN Stack, Socket.IO, Redux, Tailwind, Shadcn UI*   Feb 2025 – Jun 2025
  – Implemented a **Socket.IO-based real-time messaging system**, eliminating polling and reducing redundant network calls by **90%** in test scenarios.
  – Tested real-time chat with **100+ simulated concurrent connections**, achieving **¡200ms average message latency**.
  – Developed a **weighted matching algorithm** to rank roommate compatibility based on lifestyle attributes, improving match relevance by **30%** in simulations.
  – Deployed using **Vercel** and **Render** with MongoDB Atlas, ensuring stable performance under concurrent API requests.
  – Live Site Here | GitHub Repo

Job Portal | *MERN Stack, Tailwind, Redux, Shadcn UI*   Jun 2024 – Nov 2024
  – Engineered a recruiting platform with **Role-Based Access Control (RBAC)**, isolating recruiter and job-seeker workflows.
  – Designed scalable **REST APIs** using Express and Mongoose, securing all protected routes with **JWT authentication**.
  – Reduced unauthorized route access by **90%** through role validation and middleware enforcement during testing.
  – Integrated **Redux Toolkit** for predictable state management and **Cloudinary** for optimized media storage.
  – Live Site Here | GitHub Repo

TECHNICAL SKILLS

Languages: C++ (Proficient), JavaScript (ES6+), Java (familiar)
Frontend: React.js, Redux Toolkit, Zustand, Tailwind CSS, HTML5, CSS
Backend: Node.js, Express.js, RESTful APIs, JWT, Socket.IO
Database: MongoDB, Mongoose, SQL
Tools: Git, GitHub, VS Code, Postman, Cloudinary
Concepts: DSA, RBAC, Applied Cryptography (AES, ECDSA)

ACHIEVEMENTS

LeetCode Rating (Max): 1668 (Top 16% globally)

Solved 400+ problems on LeetCode and 100+ problems on GeeksForGeeks.

Secured 2nd place at GreenBiz'23 Hackathon, GNITS Hyderabad.