AKSHAY SHARMA

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SUMMARY

Full Stack Developer proficient in the MERN stack (MongoDB, Express.js, React.js, Node.js) with a solid foundation in Data Structures and Algorithms (DSA). Built and deployed 3+ scalable web applications.

SKILLS

Language:	Python, Java, C++
Frontend:	React.js, HTML5, CSS3, Tailwind CSS, JavaScript (ES6+)
Backend:	Node.js, Express.js, REST APIs
Databases:	MongoDB, MySQL, PostgreSQL
Tools:	Git, GitHub, VS Code, Postman
DevOps:	End-to-End test automation

PROJECTS

Multi-Player Chess Game   June-July 2025

Tech stack: React.js, Node.js, Socket.IO, Chess.js

- Engineered a full stack real-time chess game using **React.js** on the frontend and **Node.js/Express.js** with **Socket.IO** on the backend to enable seamless two-player gameplay.
- Implemented robust **real-time communication** and **event-driven architecture** using WebSockets, achieving a **30% latency reduction** through optimized socket handling.
- Utilized c**hess.js** to manage game rules, valid move generation, and checkmate detection, ensuring accurate server-side game state validation.
- Designed a **responsive and mobile-first UI** with **Tailwind CSS**, enhancing user experience across all devices and screen sizes.
- Managed **game state synchronization**, supporting **100+ concurrent users** without conflicts, showcasing expertise in **scalable real-time systems** and **asynchronous data handling**.

CoolStuff E-commerce Web App   July-Aug 2025

Tech stack: MERN Stack (MongoDB, Express, React, Node), JWT

- Developed a **full stack e-commerce platform** to practice secure user authentication, role-based access control, and optimized data handling.
- Implemented **JWT-based authentication system** with **access and refresh token** logic, secure login/signup, and **password hashing using Bcrypt.js**
- Designed **role-based access control (RBAC)** to distinguish between admin and user operations, supporting over **500+ registered users**.
- Built a **responsive UI** using **React.js + Tailwind CSS**, delivering consistent user experience across devices and screen sizes.
- Utilized **React Context API** for scalable **global state management** of user sessions, cart items, and authentication flow.

EDUCATION

NIMS University, Jaipur	*Jun 2022-Jul 2026*
B.Tech in COMPUTER SCIENCE	7.14 CGPA

CERTIFICATION

Cybersecurity Analyst Job Simulation – *Forage*   Dec-Jan 2024

- Gained hands-on experience in **Identity & Access Management (IAM)**
- Performed **IAM strategy assessment, custom IAM solutions design, and platform integration**