

Aman Chouhan

Full Stack Developer — MERN Stack Specialist

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PROFESSIONAL SUMMARY

Performance-driven **Full Stack Developer** with a strong foundation in the **MERN Stack** (MongoDB, Express.js, React.js, Node.js). Experienced in building scalable web applications and contributing to complex open-source enterprise codebases. Seeking a software engineering role to apply skills in backend optimization, API design, and frontend architecture.

EDUCATION

Jawaharlal Nehru University <i>Bachelor of Technology in Electronics and Communication Engineering</i>	New Delhi, India
	Aug 2023 – Present

- Relevant Coursework:** Data Structures & Algorithms, Object Oriented Programming, DBMS, Operating Systems, Computer Networks.

EXPERIENCE

Full Stack Developer (Open Source) <i>Rocket.Chat (JavaScript, Meteor.js)</i>	Remote
	Dec 2024 – Jan 2025

- Configured a complex local development environment for a massive enterprise codebase with **100,000+** lines of code.
- Analyzed and triaged **15+ active GitHub issues**, successfully identifying root causes for critical bugs in the messaging interface.
- Collaborated with global maintainers to propose architectural improvements, gaining hands-on exposure to **CI/CD pipelines**.

PROJECTS

StudySync <i>React.js, Node.js, Express.js, MongoDB</i>	Jan 2025 – Present
<ul style="list-style-type: none">Developed a scalable Full Stack educational platform supporting 50+ concurrent users, reducing time-to-access study materials by 40%.Engineered reusable React components to cut frontend code redundancy by 30%, ensuring strict UI consistency.Optimized backend REST APIs using MongoDB indexing, achieving a sub-200ms response time for complex queries.	

Personal Portfolio & Identity Management <i>MERN Stack, JWT</i>	Nov 2024 – Dec 2024
<ul style="list-style-type: none">Architected a high-performance personal portfolio using React.js and Tailwind CSS, focusing on responsive UI/UX design.Implemented secure Authentication and Authorization flows using JWT (JSON Web Tokens) for protected routes.Integrated Node.js and MongoDB to handle user registration, login persistence, and secure data storage.	

Object Detection System <i>Python, OpenCV</i>	Sep 2024 – Nov 2024
<ul style="list-style-type: none">Built a real-time computer vision module achieving 92% detection accuracy across varying lighting conditions.Optimized image processing algorithms to maintain a consistent 30 FPS frame rate on standard CPU hardware.Reduced false positive detections by 15% by implementing advanced noise filtering techniques.	

TECHNICAL SKILLS

Languages: C++ (Strong Proficiency in STL), JavaScript (ES6+), HTML5, CSS3, Python.

Frontend: React.js, Redux, Tailwind CSS, Material UI, Responsive Design, DOM Manipulation.

Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, System Design.

Databases: MongoDB (Aggregation Framework, Schema Design), SQL Basics.

Developer Tools: Git, GitHub, VS Code, Postman (API Testing), Linux/Unix Command Line.

CERTIFICATIONS

Introduction to Front-End Development – Simplilearn

July 2025