

# Aman Chouhan

## Full Stack Developer — MERN Stack Specialist

New Delhi, India

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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** New Delhi, India  
*Bachelor of Technology in Electronics and Communication Engineering* Aug 2023 – Present

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

### EXPERIENCE

**Full Stack Developer (Open Source)** Remote  
*Rocket.Chat (JavaScript, Meteor.js)* 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** | *React.js, Node.js, Express.js, MongoDB* Jan 2025 – Present

- 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** | *MERN Stack, JWT* Nov 2024 – Dec 2024

- 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** | *Python, OpenCV* Sep 2024 – Nov 2024

- 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.

