

Aman Singh

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 [LinkedIn](#) |  [Portfolio](#)

Professional Summary

Full Stack Developer skilled in **React.js**, **Node.js**, and **MongoDB**, with experience in building interactive 3D apps, scalable APIs, and real-time systems. Strong collaborator with knowledge of **Agile**, **JWT**, and **CI/CD pipelines**. Currently pursuing MCA, with interests in hardware systems and military-grade technologies.

Technical Skills

Languages: JavaScript (ES6+), HTML, CSS

Frontend: React.js, Next.js, Three.js, Tailwind CSS

Backend: Node.js, Express.js, REST APIs, JWT

Databases: MongoDB, SQL

Tools: Git, GitHub, Postman, Netlify, Vercel

Other: Agile Workflow, API Integration, Debugging

Projects (Freelance / Academic)

3D Solar System – *Three.js, WebGL*

- Built an interactive 3D solar system with realistic planetary orbits and shader effects
- Optimized rendering by 40%, improving FPS and reducing graphical lag

AI-Powered Website Builder – *React.js, Node.js, Express, MongoDB*

- Created full-stack platform for AI-generated websites with JWT auth and routing
- Implemented live prompt response streaming using Web Containers & custom file explorer UI

On-Demand Transportation App – *MERN Stack*

- Developed a ride-booking app with real-time ride tracking and secure login
 - Built scalable RESTful APIs with role-based access control and a responsive UI
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Education

MCA, Chandigarh University — 2023–2025

B.Sc. Computer Science, Punjab University — 2019–2023

Certifications

Meta Front-End Developer • Meta Back-End Developer • Microsoft Azure Fundamentals

Interests

3D Web Development • Military Technology • Embedded Systems • Hardware