

Saurabh Dwivedi

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Professional Summary

Motivated Front-End Developer and incoming MCA student with hands-on experience building interactive, scalable web applications using **React**, **JavaScript (ES6+)**, and the **MERN stack**. Passionate about crafting clean, maintainable code, designing performant UIs, and integrating AI-driven features into modern web products. Certified in **Oracle AI** and advanced **Three.js/WebGL** development. Actively sharpening **Data Structures & Algorithms** skills and seeking to contribute to large-scale, user-facing engineering challenges at a world-class organisation like Google.

Education

DY Patil University

Master of Computer Applications (MCA) — Computer Software Engineering

Pune, Maharashtra, India

July 2025 – July 2027

Awadhesh Pratap Singh University (APSU)

Bachelor of Computer Applications (BCA) — Computer Software Engineering

Rewa, Madhya Pradesh, India

Sept 2022 – Aug 2025

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

Experience

Sheryians Coding School

Full-Stack Development Student — Intensive Industry Cohort

Rewa, Madhya Pradesh, India

Jan 2025 – Present

- Completed **Job-Ready Cohort** — a rigorous, project-driven programme covering React, Node.js, Express, MongoDB, and modern JavaScript (ES6+), mirroring real-world engineering workflows.
- Built and deployed **5+ full-stack projects** end-to-end, reinforcing the complete software development lifecycle from requirements and design to CI/CD deployment on Netlify and Vercel.
- Won **Job-Ready Hackathon** by designing, building, and shipping a production-ready web application within a timed, team-based competitive format, demonstrating rapid prototyping skills.
- Earned **Three.js Domination** certification by applying advanced WebGL and 3D rendering techniques to create smooth, interactive browser-based visual experiences at **60 fps**.

Projects

Personal Portfolio Website — React, Tailwind CSS, JavaScript, Netlify

[Link](#)

- Designed and shipped a fully responsive developer portfolio deployed on **Netlify**, implementing smooth UI animations and component-level state management with **React Hooks**.
- Achieved high **Lighthouse performance scores** by optimising asset loading, lazy loading components, and minimising render-blocking resources.

Interactive 3D Web Experience — Three.js, WebGL, JavaScript ES6+, HTML5 Canvas

[Link](#)

- Built a real-time interactive 3D scene using **Three.js** and **WebGL**, implementing custom geometry, PBR lighting, camera orbit controls, and requestAnimationFrame render loop.
- Optimised scene performance via efficient scene graph management and texture compression, sustaining **60 fps** across desktop and mid-range mobile devices.

MERN Stack Full-Stack Application — MongoDB, Express.js, React, Node.js, JWT, REST API

[Link](#)

- Engineered a full-stack web application featuring **JWT-based authentication**, **RESTful API** design, protected routing, and a React front-end consuming a **MongoDB** backend via Mongoose.
- Implemented async error handling, input validation, and reusable React components, reducing code duplication by **40%** and improving maintainability across the codebase.

Technical Skills

Languages	JavaScript (ES6+), C++, HTML5, CSS3, SQL
Frontend	React.js, Tailwind CSS, Three.js, Next.js (learning), Responsive Design, REST APIs
Backend & DB	Node.js, Express.js, MongoDB, Firebase, Mongoose
Tools & Platforms	Git, GitHub, VS Code, Netlify, Vercel, Postman, Linux CLI
AI / ML	Machine Learning Fundamentals, AI Concepts, AGI (Oracle AI Certified)
CS Fundamentals	Data Structures & Algorithms (active practice), OOP, Computer Networks, DBMS

Certifications & Achievements

- **Oracle AI Certification** — Foundational Artificial Intelligence & Machine Learning, Oracle University (2024)
- **Three.js Domination** — Advanced 3D rendering & WebGL development, Sheryians Coding School (2025)
- **Job-Ready Hackathon Winner** — Designed and shipped a full-stack web app under timed, competitive conditions, Sheryians Coding School (2025)
- **Job-Ready Cohort** — Industry-aligned full-stack programme (React, MERN, DevOps basics), Sheryians Coding School (2025)
- Actively solving **Data Structures & Algorithms** problems daily on LeetCode to strengthen problem-solving depth for technical interviews.