Om Sharma

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript (ES6+), TypeScript

Developer Tools & Technologies: React.js, Next.js, Node.js, Express.js, MongoDB Atlas, Git, GitHub, Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP)

WORK EXPERIENCE

PrepStat May – Jul 2025

Full Stack Web Developer Intern

- Built a full-stack Expense Tracker application using the MERN stack with secure CRUD operations and responsive user interfaces.
- Optimized existing web applications by improving performance, responsiveness, and maintainability.
- Developed reliable frontend components and integrated backend APIs for seamless communication between client and server.

PROJECTS

VizPilot – AI-Powered Data Visualization Platform – GitHub Jul – Aug 2026

Next.js, React.js, TypeScript, MongoDB, Apache ECharts, Groq API, Tailwind CSS, Framer Motion

- **Problem:** Simplified the process of turning raw business data into meaningful visual insights by building a platform that automates data ingestion, profiling, chart recommendations, and visualization.
- **Action:** Engineered a deterministic data profiling and visualization pipeline with LLM-powered chart recommendations, schema-validated outputs, multi-format ingestion (CSV, XLSX, PDF, DOCX), and secure MongoDB-backed authentication.
- **Result:** Delivered an end-to-end analytics platform featuring 11 chart types, automated data quality analysis, interactive dashboards, and Zero-Trace mode designed to avoid persistent storage of uploaded datasets.

SafariX – Multi-Agent Travel Planner – GitHub Sept – Oct 2026

Next.js, React.js, TypeScript, PostgreSQL, Drizzle ORM, Google Gemini API, Google Places API, Amadeus API, Tailwind CSS

- **Problem:** Addressed the complexity of planning trips across multiple platforms by building a centralized AI-powered travel planner for transportation, accommodation, activities, restaurants, and day-by-day itineraries.
- **Action:** Engineered a multi-agent architecture with specialized planning agents, real travel API integrations, deterministic budget calculations, itinerary validation, and persistent trip management.
- **Result:** Built an end-to-end travel planning platform featuring budget estimates, transport preference handling, schedule validation, Google Maps integration, and secure trip-specific API access.

CampusFix AI – Smart Campus Asset Management Platform – GitHub Oct – Nov 2026

React.js, TypeScript, TanStack Start, Vite, Tailwind CSS, TanStack Query

- **Problem:** Addressed fragmented campus maintenance workflows by building a centralized platform for asset tracking, QR-based issue reporting, complaint management, and infrastructure analytics.
- **Action:** Developed a modular, responsive web application featuring asset registries, QR-based asset identification, complaint lifecycle tracking, technician work queues, organizational hierarchy, and analytics dashboards using repository abstractions and reusable UI components.
- **Result:** Delivered an integrated campus maintenance prototype with asset histories, status timelines, role-aware navigation, searchable data tables, and cross-screen analytics, validated through responsive UI checks across desktop and mobile viewports.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- Full Stack Web Development (MERN) – Apna College Delta
- Applied Machine Learning in Python – University of Michigan (Coursera)

EDUCATION

Vellore Institute of Technology, Bhopal **CGPA: 8.28/10**

Bachelor of Technology (B.Tech)

Computer Science Engineering (*Artificial Intelligence & Machine Learning*)