

# SOHAN MAVJI

07444876027 | sohan.m0904@gmail.com | www.sohanmavji.com | linkedin.com/in/sohan-mavji

## EDUCATION

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<b>City, University of London</b> <i>B Sc (Hons) Computer Science</i>	<i>Sep 2022 — Jul 2025</i> <i>GPA: 2:2 (59.16%)</i>
<b>Alperton Community School</b> <i>Level 2 &amp; Level 3</i>	<i>Sep 2015 — Jul 2022</i>

## PROJECTS

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<b>DevPilot – AI Code Mentorship Platform</b>   Next.js, React, Node.js, Express, Supabase, TailwindCSS, Vercel	
<ul style="list-style-type: none"><li>Built a full-stack web application that allows developers to upload entire projects and receive AI-driven explanations, improvement suggestions, and auto-generated test cases for any code query.</li><li>Implemented a vector-based code retrieval pipeline with FAISS embeddings for accurate snippet matching and detailed AI explanations in real time.</li><li>Added user authentication, project management, and chat history via Supabase, providing a personalised code mentoring experience.</li><li>Designed a modern developer dashboard with responsive layouts, typing animations, and a dark-themed UI optimised for readability.</li><li>Deployed on Vercel (frontend) and Render (backend) with secure environment variables, automated builds, and real time API communication.</li><li>Showcases advanced skills in AI integration, full-stack engineering, prompt design, and real-time data visualisation for intelligent developer tools.</li></ul>	

<b>TripMind – AI Travel Planning Web Application</b>   Next.js, React, Node.js, TailwindCSS, Framer Motion	
<ul style="list-style-type: none"><li>Built a full-stack AI-powered travel planner that generates personalised itineraries, accommodation, and budget breakdowns based on user preferences.</li><li>Implemented natural language trip generation using LLaMA 3.1 through Groq SDK, producing structured JSON responses rendered into a real-time UI.</li><li>Implemented natural language trip generation using LLaMA 3.1 through Groq SDK, producing structured JSON responses rendered into a real-time UI.</li><li>Added location-based data enrichment via Google Maps Geocoding API and high-quality seasonal imagery from Unsplash.</li><li>Designed interactive components including budget visualisation charts, itinerary mapping, and a PDF export feature for user convenience.</li><li>Deployed on Vercel with CI/CD from GitHub, managing environment variables securely and achieving seamless global scalability.</li></ul>	

<b>Cloud-Based Event Management System</b>   React Native, React.js, Node.js, Firebase Authentication, Firestore, Cloud Functions	
<ul style="list-style-type: none"><li>Designed and developed a mobile and web application for the Navratri Festival, used by over 1,000 attendees.</li><li>Implemented QR code ticketing and validation, a real-time food ordering system with push notifications, and role-specific dashboards for admins, kitchen staff, and attendees.</li><li>Improved event operations by reducing queues, streamlining staff communication, and providing real-time analytics to organisers.</li><li>Built with React Native, React.js, Node.js, Firebase Authentication, Firestore, and Cloud Functions, deployed on Google App Engine.</li></ul>	

<b>Budgetly – Personal Finance Web Application</b>   React, Firebase (Firestore + Auth), Chart.js	
<ul style="list-style-type: none"><li>Developed features to track expenses, manage monthly budgets, and apply filters (by category, month, year, and amount).</li><li>Implemented user authentication and protected routes for secure login/registration.</li><li>Designed a dashboard with data visualisations (bar, pie, and line charts) to provide real-time insights into spending.</li><li>Integrated predictive analytics using TensorFlow.js, applying historical data, seasonal trends, and inflation adjustments to forecast future expenses.</li><li>Showcased strong skills in full-stack development, cloud integration, and applied machine learning.</li></ul>	

- Built a full-stack budgeting and expense management app using React, Firebase (Firestore + Auth), and Chart.js.

## EXPERIENCE

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### Backend Developer

Oct 2025 — Jan 2026

LOCAL GROWN SALADS

Toronto, Canada

- Collaborating with the UX team to design and develop backend APIs that power real-time dashboards and user interfaces across the LGS EcoSystem.
- Working with Node.js and Firestore to build secure, efficient data endpoints integrating farm, agronomist, and customer subsystems.
- Translating UX requirements into scalable backend solutions that streamline data retrieval and support multi-layer visualisations.
- Implementing API integrations between Agronomist, Grower, Barn, and Director modules to ensure consistent data flow and accuracy.
- Using Jira for sprint planning, issue tracking, and documentation of backend tasks to align with agile development processes.
- Testing, debugging, and optimising backend endpoints to improve system performance and reliability across the EcoSystem.

### Customer Delivery Driver

Jan 2022 — Jun 2024

ASDA

Wembley Park, London

- Delivering groceries to customers in a timely, professional manner, ensuring high levels of customer satisfaction.
- Providing excellent customer service at the doorstep, handling any queries or concerns efficiently.
- Performing vehicle safety checks before and after shifts to ensure deliveries are completed safely.
- Managing route planning and adapting to traffic conditions to maintain delivery schedules.
- Handling grocery items with care to ensure goods are delivered in excellent condition.
- Maintaining a clean, organized van to comply with health and safety standards.

## SKILLS

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**Programming Languages:** JavaScript, Python

**Frameworks & Libraries:** React, Node.js, Express, React Native

**Cloud & DevOps:** Firebase, Google App Engine, Vercel

**Databases:** Firestore