

SOHAN MAVJI

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EDUCATION

City, University of London <i>B Sc (Hons) Computer Science</i>	<i>Sep 2022 — Jul 2025</i> <i>GPA: 2:1 (59.16%)</i>
Alperton Community School <i>Level 2 & Level 3</i>	<i>Sep 2015 — Jul 2022</i>

PROJECTS

DevPilot – AI Code Mentorship Platform Next.js, React, Node.js, Express, Supabase, TailwindCSS, Vercel	
<ul style="list-style-type: none">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.Implemented a vector-based code retrieval pipeline with FAISS embeddings for accurate snippet matching and detailed AI explanations in real time.Added user authentication, project management, and chat history via Supabase, providing a personalised code mentoring experience.Designed a modern developer dashboard with responsive layouts, typing animations, and a dark-themed UI optimised for readability.Deployed on Vercel (frontend) and Render (backend) with secure environment variables, automated builds, and real time API communication.Showcases advanced skills in AI integration, full-stack engineering, prompt design, and real-time data visualisation for intelligent developer tools.	<i>Sep 2022 — Jul 2025</i> <i>GPA: 2:1 (59.16%)</i>

TripMind – AI Travel Planning Web Application Next.js, React, Node.js, TailwindCSS, Framer Motion	
<ul style="list-style-type: none">Built a full-stack AI-powered travel planner that generates personalised itineraries, accommodation, and budget breakdowns based on user preferences.Implemented natural language trip generation using LLaMA 3.1 through Groq SDK, producing structured JSON responses rendered into a real-time UI.Implemented natural language trip generation using LLaMA 3.1 through Groq SDK, producing structured JSON responses rendered into a real-time UI.Added location-based data enrichment via Google Maps Geocoding API and high-quality seasonal imagery from Unsplash.Designed interactive components including budget visualisation charts, itinerary mapping, and a PDF export feature for user convenience.Deployed on Vercel with CI/CD from GitHub, managing environment variables securely and achieving seamless global scalability.	<i>Sep 2022 — Jul 2025</i> <i>GPA: 2:1 (59.16%)</i>

Cloud-Based Event Management System React Native, React.js, Node.js, Firebase Authentication, Firestore, Cloud Functions	
<ul style="list-style-type: none">Designed and developed a mobile and web application for the Navratri Festival, used by over 1,000 attendees.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.Improved event operations by reducing queues, streamlining staff communication, and providing real-time analytics to organisers.Built with React Native, React.js, Node.js, Firebase Authentication, Firestore, and Cloud Functions, deployed on Google App Engine.	<i>Sep 2022 — Jul 2025</i> <i>GPA: 2:1 (59.16%)</i>

Budgetly – Personal Finance Web Application React, Firebase (Firestore + Auth), Chart.js	
<ul style="list-style-type: none">Developed features to track expenses, manage monthly budgets, and apply filters (by category, month, year, and amount).Implemented user authentication and protected routes for secure login/registration.Designed a dashboard with data visualisations (bar, pie, and line charts) to provide real-time insights into spending.Integrated predictive analytics using TensorFlow.js, applying historical data, seasonal trends, and inflation adjustments to forecast future expenses.Showcased strong skills in full-stack development, cloud integration, and applied machine learning.	<i>Sep 2022 — Jul 2025</i> <i>GPA: 2:1 (59.16%)</i>

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

EXPERIENCE

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

Programming Languages: JavaScript, Python

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

Cloud & DevOps: Firebase, Google App Engine, Vercel

Databases: Firestore