

Shreshth Behal

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WORK EXPERIENCE

Otternest

Full Stack Developer Intern

Jan 2026 – Present

Johor Bahru, Malaysia

- Architected and shipped a production-grade full-stack platform from zero legacy codebase using Next.js, TypeScript, Prisma, and PostgreSQL — owning the complete lifecycle from system design and database architecture to REST API development and cloud deployment on Vercel.
- Reduced developer dependency for content operations to zero by designing a secure admin dashboard and custom CMS with dynamic SEO controls, rich content editing, and role-based access for non-technical stakeholders.
- Eliminated manual booking and enquiry handling across all customer touchpoints by implementing multi-step booking workflows and automated transactional email pipelines, cutting response latency and operational overhead significantly.
- Delivered a high-performance, WCAG-compliant UI with sub-2-second load times by integrating Tailwind CSS, Radix UI, Framer Motion, and GSAP — optimised for engagement, accessibility, and cross-device compatibility.
- Contributed to UN SDG 8 (Target 8.9 — Sustainable Tourism) by working on-ground to support local culture-driven tourism at Otternest through technology infrastructure and community engagement.

Super 7 Mart

Founder & Operator

Jan 2022 – Dec 2024

Chandigarh, India

- Scaled to 5,000+ nationwide orders as a solo operator by bootstrapping a D2C e-commerce business with a self-built full-stack website and mobile app for real-time sales and order tracking.
- Grew a loyal repeat customer base month-on-month by independently managing end-to-end supply chain (inventory, packaging, last-mile logistics) and running targeted Instagram and WhatsApp marketing campaigns.

PROJECT EXPERIENCE

MentorMetrics — Multimodal AI Teaching Coach | #1 Masters' Union Hackathon Winner

Jan – Apr 2026

Technologies: React, FastAPI, Python, Supabase (pgvector + RLS), Railway, LlamaIndex, Claude API, WhisperX, Sarvam AI, GPT-4o, MediaPipe, librosa, pyannote

- Reduced teaching session review time by 92% (from 2+ hours to under 10 minutes) for educators by building an end-to-end multimodal AI pipeline combining audio analysis (librosa, pyannote), NLP evaluation (Claude API), and visual scoring (MediaPipe).
- Enabled real-time curriculum error detection across NCERT, JEE, and NEET syllabi by engineering a RAG pipeline (LlamaIndex + pgvector) that cross-references live transcriptions against structured content; expanded to 120+ languages via Sarvam AI (22 Indic languages), WhisperX, and GPT-4o without modifying the core pipeline.
- Achieved sub-3-second live coaching feedback on pace, filler words, and student engagement using WebSockets and streaming STT; deployed on React + FastAPI + Supabase (pgvector + RLS) + Railway with multi-tenant auth and institution-level data isolation.

CodeRewind — Autonomous Incident Response System | TOP 10 Hackathon Winner

Nov – Dec 2025

Technologies: Python, FastAPI, GitLab API, GitPython, Celery, Redis, Docker

- Reduced mean time to recovery from ~30 minutes to under 2 seconds by building an autonomous Git bisect engine ($O(\log n)$) that pinpoints breaking commits and auto-generates revert MRs and root-cause reports via GitLab API, triggered through FastAPI webhooks, Celery workers, and Redis queues on PagerDuty/Grafana alerts.

Legalizer — AI Legal Document Analyser | Google Gen AI Hackathon

Sep – Oct 2025

Technologies: Next.js, Python, Streamlit, Tailwind CSS, Google Gemini, Vertex AI

- Cut contract review time for non-legal users by building an AI tool that converts complex contracts into plain English, enables natural-language Q&A using Google Gemini and Vertex AI, and automatically surfaces hidden penalties, fees, and obligations via a full-stack Next.js + Python interface.

EDUCATION

Masters' Union

B.Tech in Data Science and Artificial Intelligence

Gurgaon, Delhi NCR

Aug 2026 – Expected Dec 2030

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, SQL, HTML, CSS

Frontend: Next.js, React, Tailwind CSS, Radix UI, Framer Motion, GSAP, Streamlit

Backend & Databases: Node.js, FastAPI, Prisma ORM, REST APIs, PostgreSQL, MySQL, Supabase, Redis, Microservices

AI & Machine Learning: Claude API, Google Gemini, Vertex AI, WhisperX, Sarvam AI, GPT-4o, MediaPipe, RAG, pgvector, LlamaIndex

DevOps & Cloud: Docker, AWS, GCP (Vertex AI), Vercel, Railway, GitHub, GitLab CI/CD, Linux, Agile/Scrum