

Om Patel

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Education

Northeastern University , Boston, MA	September 2025 – Present
MPS in Applied AI	Current GPA: 4.0
Coursework: Applied Artificial Intelligence, Applied Machine Learning, Natural Language Processing	
Gujarat Technological University , Ahmedabad, India	September 2020 – May 2024
Bachelor of Engineering in Computer Science	GPA: 7.85/10.0
Coursework: Theory of Computations, Design & Analysis of Algorithms, Data Structures & Algorithms	

Skills

AI & ML: LLMs, RAG, Prompt Engineering, NLP, HuggingFace, Scikit-Learn, MCP (Model Context Protocol), Embeddings
Programming: Python, JavaScript/TypeScript, Java (NPTEL Silver Medal), Node.js, React, Next.js, FastAPI,
Cloud & Databases: Docker, AWS (EC2/S3), Vercel, CI/CD, Git/GitHub, Linux, Supabase, MongoDB, MySQL, PostgreSQL, Redis.
Other: Team Leadership (16+ Members), Cross-functional Collaboration, Problem Solving, Agile, Figma

Work Experience

Way To Web Pvt. Ltd. <i>Ahmedabad, India</i>	January 2024 – May 2025
Software Development Engineer (SDE-1)	
<ul style="list-style-type: none">Team Lead: Directed a cross-functional team of 16 to deliver full-stack projects for international clients in Hong Kong and Australia.Deployed scalable APIs and full-stack applications using Next.js, TypeScript, Docker, and CI/CD on AWS.Conducted technical trainings that enhanced team productivity and reduced developer onboarding time by 30%.	
ShadCN/UI Open Source Community	January 2025 – February 2025
Open Source Contributor	
<ul style="list-style-type: none">Optimized core components in TypeScript + React + Tailwind v4 and enhanced community documentation.Collaborated through PR reviews and prototyping to improve component accessibility and developer experience.	
Sparkbright Engineering <i>Ahmedabad, India</i>	May 2022 – December 2023
Next.js Developer & UI/UX Designer	
<ul style="list-style-type: none">Engineered a custom company platform using Next.js as a solo developer, increasing client engagement by 10x.Deployed the platform on AWS and designed all responsive UX flows and front-end components in Figma.	
AVM Auto <i>Ahmedabad, India</i>	April 2021 – May 2022
WordPress Developer & UI/UX Designer	
<ul style="list-style-type: none">Delivered a portfolio website with a custom translation plugin, reaching 50,000+ users in the first month.	

Projects

Aviation AI Emergency Assistant	<i>Harvard Research Project</i>
<ul style="list-style-type: none">Developing an LLM-based guidance system using RAG to assist pilots during flight emergencies via real-time manuals.Designing high-accuracy retrieval pipelines to provide grounded safety instructions in critical decision windows.	
Language Tutor AI	<i>Google Cloud AI Catalyst Hackathon</i>
<ul style="list-style-type: none">Built an interactive tutor using FastAPI, MCP Server, and Next.js on Google Cloud infrastructure.Implemented real-time language correction and stateful user sessions for personalized language learning.	
Mental Health Assistant Chatbot	<i>Academic Project</i>
<ul style="list-style-type: none">Developed LLM-powered chatbot for mental health guidance using OpenAI API with multi-turn conversation handling.	

Certifications

Silver Medalist: Programming in Java, NPTEL (Top-tier performance in a nationwide examination)
Data Foundations & Data Analytics Specialist, Google (Coursera - 2026)
Machine Learning Specialization, DeepLearning.AI (In Progress)