Dhruv Sukhadiya

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CAREER OBJECTIVE

AI-focused Computer Science (CSE - Artificial Intelligence) student with practical experience in Machine Learning, Neural Networks, Deep Learning, Computer Vision, Generative AI, LLM applications, and Full Stack development. Skilled in building end-to-end intelligent systems, integrating AI models with modern web technologies to create scalable, business-useful applications. Strong foundation in ML fundamentals, NLP concepts, RAG, system design, and problem-solving.

EDUCATION

Parul University June. 2024 – Current (Expected 2027)
Bachelor of Computer Science and Engineering with Artificial Intelligence Vadodara, Gujarat

CERTIFICATIONS

- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate (Oracle)**
- **AI Fundamentals (Cisco Networking Academy IBM Skills Build)**

PROJECTS

Smart Pothole Detection System (v1.0.0) | >>>>>(RoadSense AI)<<<<<
YOLOv8 + Angular 17 + Node.js/Express + Flask + MongoDB; pothole detection, severity, detection history, analytics, Leaflet road maps, pin-drop capture, GeoJSON endpoints with geospatial indexes; Flask inference microservice with MCP integration. Live: warm-sunshine-a1b78e.netlify.app

DHRUV AI LAB - Interactive 3D AI Portfolio
Immersive 3D portfolio built with Next.js, TypeScript, Tailwind CSS, React Three Fiber, and Framer Motion; 3D castle / AI research lab environment with interactive camera navigation, cinematic transitions, and a glassmorphism HUD.

Resume Job Matcher
LLM-based resume parsing and semantic matching with ATS skill-gap analysis and improvement suggestions.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, HTML, CSS
AI / Generative AI: Machine Learning, Neural Networks, Deep Learning, Computer Vision, NLP, Generative AI, LLMs, RAG, Prompt Engineering, Transfer Learning
Frameworks & Tools: PyTorch, TensorFlow, Keras, LangChain, LangGraph, LangSmith, Ollama, LM Studio, Hugging Face, ChromaDB, MCP Servers, Gradio
Full Stack: React.js, Next.js, Angular 17, Node.js, Express.js, FastAPI, Flask, Tailwind CSS, Bootstrap, Three.js / React Three Fiber Databases & Cloud: MySQL, PostgreSQL, MongoDB, Redis, GeoJSON, AWS, Azure, Netlify, Hugging Face Spaces
Tools & Core: GitHub, Git, Docker, VS Code, Notion, Jira, Google Colab, Excel, PowerPoint, DSA, OS, System Design, API Integration

SOFT SKILLS

Soft Skills: Problem-solving, Analytical Thinking, Logical Thinking, Technical Communication, Team Collaboration, Adaptability, Continuous Learning, System-Level Thinking

HOBBIES

Physical Activities (Calisthenics), Gaming (PUBG), Travelling and Tracking