

Nidhi Lad

Surat, Gujarat, India

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TECHNICAL SKILLS

Programming Languages: C, C++, Python

Frontend: HTML5, CSS3, JavaScript, React.js, TypeScript

Backend: Node.js, Express.js, Java, Django

AI / LLM: LangChain, LangGraph, MongoDB Vector Search, Vector Embeddings, LLM-based Agents

Database: MySQL, MongoDB, PostgreSQL

Tools: Git, GitHub, Docker, VS Code, Postman, PyCharm, Linux (Ubuntu)

Core Subjects: DSA, OOPs, Operating Systems, Computer Networks, DBMS

WORK EXPERIENCE

Ciphernutz IT Services

Surat

Associate Software Developer

July 2025 – Present

- Designed and developed scalable full-stack web applications using React.js for frontend, Node.js/Express for backend, and RESTful architecture to ensure modularity, maintainability, and faster feature delivery across teams.
- Optimized backend workflows and business logic by restructuring API flows and database queries, reducing manual processing time **by 30%** and improving overall system performance.
- Integrated secure RESTful APIs using **JWT-based authentication** and structured request/response handling, enabling reliable data exchange between frontend components and backend services.

Areterix Technologies

Ahmedabad

Software Developer Intern

January 2025 – May 2025

- Developed custom **Odoo modules** using **Python**, **PostgreSQL**, and **Odoo ORM**, integrating **WooCommerce via OAuth1 authentication** to securely synchronize products and orders across multiple WooCommerce instances.
- Implemented **end-to-end** order and product synchronization workflows, including automatic sale order creation, invoice generation, delivery validation, and status tracking, to fully automate ERP operations within Odoo.

EDUCATION

Dhirubhai Ambani Institute of Information and Communication Technology

CGPA: 7.14/10

Master of Science - Information Technology, Gandhinagar

July 2023 – May 2025

PROJECTS

Customer Support Multi-Agent Conversational System - [GitHub](#)

Tech Stack: Python, MongoDB Vector Search, LLMs (OpenAI), Embeddings, RAG, ReactJs

January 2026

- Built an intelligent customer support system using **LangChain** and **LangGraph**, integrated with **MongoDB Vector Search** for semantic retrieval.
- Implemented **embedding-based vector indexing** and similarity search to deliver context-aware responses.
- Integrated an LLM model for reasoning, tool usage, and multi-step conversational workflows.
- Designed agent **orchestration and memory management** for handling complex customer queries.

E-Challan System - [GitHub](#)

Tech Stack: MERN Stack

May 2023

- Built a **MERN-based E-Challan system** with **OCR-powered number plate recognition** for automated challan generation.
- Designed **secure, role-based dashboards** for administrators, officers, and users to efficiently manage traffic violations and penalties.

ACHIEVEMENTS AND CERTIFICATIONS

- Achieved **Legend Tier** in the **Google Cloud Arcade Facilitator Program 2025**, gaining hands-on experience with Google Cloud technologies. [Link](#)
- Solved **300+ Data Structures and Algorithms (DSA)** problems on [LeetCode](#), [GeeksforGeeks](#), and [HackerRank](#).
- Certified in the **National Creativity Aptitude Test (NCAT)**, demonstrating strong creative and analytical problem-solving skills.
- Achieved **90th percentile** in **Advanced C++ Training** certified by Spoken Tutorial, IIT Bombay.
- Earned **SQL Basic, Intermediate, and Advanced** certifications from [HackerRank](#).