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📅 6th December 2003

Professional Experience

01/2026 – Present
Surat, Gujarat

Backend Developer

Dikati Technologies

- Built scalable backend systems across multiple client projects using **Next.js**, **TypeScript**, **Prisma**, and **PostgreSQL**, covering auth, orders, inventory, subscriptions, and analytics modules.
- Designed complex relational data models supporting real-world workflows like order pipelines, delivery scheduling, and customer lifecycle management.
- Implemented secure authentication and role-based access control using **Clerk**, with protected middleware and admin-only API layers.
- Engineered transactional workflows for checkout and inventory management using Prisma transactions, enforcing data consistency and handling race conditions.
- Developed admin analytics APIs tracking revenue trends, customer retention/churn, conversion rates, and product performance.

08/2025 – 11/2025
Vadodara (Remote)

Intern - AI Engineer

Duchas Technologies Pvt Ltd

- Visualized and curated biometrics datasets in Voxel51, preparing them for segmentation and training.
- Developed a segmentation and classification model for biometrics, achieving high accuracy in predicting segmentation masks and user identification.
- Engineered a full-stack system with **FastAPI** to create secure APIs for user registration, login, and verification.
- Integrated the entire system onto a **Raspberry Pi** device, enabling real-time biometrics processing.

Skills

Programming Languages

Python, Java, C Language



Artificial Intelligence (AI)

Machine Learning, Deep Learning, Computer Vision, Large Language Models (LLMs), Natural Language Processing (NLP), Natural Language Tool-Kit (NLTK), Artificial Neural Networks, Convolutional Neural Network (CNN), Recurrent Neural Networks (RNN), LSTM RNN, Transformers



Tools and Frameworks

TensorFlow, PyTorch, Sci-Kit Learn, Streamlit, LangChain, LangGraph, OpenCV, MediaPipe, Keras, FastAPI, Flask, Voxel Fiftyone, Prisma



Databases

SQL, MongoDB, GraphDB, VectorDBs, PostgreSQL



Core Concepts

Data Structure and Algorithms, Object Oriented Programming (OOP), Multithreading



Web Development

HTML, CSS, Javascript, React, Node Django, Express, NextJS



Version Control and Applications

Git / GitHub, Docker



Projects

Virtual Mouse

Control Your Mouse with Hand Gestures in Real-Time

- Developed a real-time hand gesture recognition system using **ResNet50** and **MediaPipe** for cursor control.

- Achieved **98% accuracy** across 6 custom gesture classes using **CNN** trained on self-collected data.
- Integrated gesture-to-action mapping to control mouse movement and clicks.

Conversational RAG Chatbot

RAG-Based Conversational AI with Document Upload Capability

- Built a chatbot that answers questions from uploaded PDFs using **Retrieval-Augmented Generation (RAG)**.
- Used **LangChain**, **FAISS**, and **Groq-hosted LLMs** for fast, context-aware responses.
- Developed entirely in **Streamlit** for an interactive and user-friendly interface.

Resume Analyzer

An AI-powered resume evaluation web application using LangChain and Groq-hosted LLMs

- Full-stack with **FastAPI** backend and **Streamlit** frontend for real-time analysis
- Uses RAG with **LangChain**, **FAISS**, **HuggingFace embeddings**, and **Groq-hosted LLMs**
- Implements document chunking, vector storage, and contextual prompts
- Containerized with **Docker** and managed via **Docker Compose**
- Provides detailed fit score, skill highlights, gaps, and improvement tips

AI-Powered Sales Onboarding Assistant

Full-Stack Web Application with an AI Agent

- Developed an AI-powered onboarding platform using **Django** and **ReactJS** to automate client data extraction from call recordings.
- Engineered a scalable backend with **Celery**, **Redis**, and **Groq's API** to perform low-latency transcription and intelligent data extraction.
- Designed a secure **RESTful API** and a review-and-approval workflow that streamlined the client management process with **PostgreSQL**.

Education

09/2022 – present
Surat, India

Bachelor Of Technology

Sarvajanik College of Engineering and Technology
CGPA: 8.5 / 10