

YOG PRAJAPATI

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EDUCATION

GLS UNIVERSITY

Bachelor of Technology (Diploma-to-Degree)

In Computer Science and Engineering; Specialization in Artificial Intelligence and Machine Learning

Cumulative GPA: 8.20/10.0

Ahmedabad, India

Sep 2023 - April 2026

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Computer Engineering

Cumulative GPA: 7.92/10.0

Ahmedabad, India

Jun 2020 - Aug 2023

WORK EXPERIENCE

Fx31 Labs

AI Intern

Ahmedabad, India

Dec 2025 – Present

- Built backend systems using Python and FastAPI, following a microservices approach for better scalability and performance.
- Developed AI chatbots and assistants to automate conversations and handle user queries for real client projects.
- Worked on real client projects and integrated AI systems with technologies like Next.js and Node.js.
- Handled client calls to understand requirements, explain solutions, and deliver features based on business needs.
- Collaborated with team members to build, test, and deploy AI-based applications.

UNIVERSITY PROJECTS

MULTI-MODAL RAG SYSTEM

Mar 2026

- Built a production ready multimodal RAG system using LangGraph, LangChain, FastAPI, and OpenAI APIs to process codebases, GitHub PRs, documentation, and structured data with intelligent retrieval and semantic search.
- Developed contextual AI workflows with conversation memory, vector search using FAISS, and backend services using Python and MongoDB, enabling accurate response generation across multiple data sources.
- **Technologies Used:** Python, FastAPI, LangChain, LangGraph, LangSmith, AzureOpenAI LLM, FAISS Vector Store, MongoDB, Semantic Search, RAG.

IPHARM – AI POWERED ECOMMERCE PHARMACEUTICALS PLATFORM

Sep 2025

- Architected and developed a scalable, multi-vendor e-commerce backend capable of managing over 5,000 SKUs with a focus on high availability and system reliability.
- Implemented a content-based recommendation system using Python, which improved product click-through rates by 28%.
- **Technologies Used:** MERN Stack, RazorPay, Socket.IO, Python (Recommender Systems), Cloudinary.

LEAF AI – POTATO LEAF DISEASE DETECTION

Jan 2025

- Developed a real-time potato leaf disease detection system using deep learning and computer vision to classify healthy and infected leaves.
- Enhanced prediction accuracy by applying image validation, preprocessing, and a CNN model with instant user feedback.
- **Technologies Used:** React.js, REST APIs, Deep Learning, Tensorflow, Pandas, Numpy, Seaborn, Transfer Learning.

HIRESIGHT – RESUME ANALYZER & PREPARATION TOOL

Aug 2024

- Built an interview preparation platform with role-based mock tests and skill assessments to simulate real interview scenarios.
- Delivered an ATS-based resume analysis system to improve resume quality and enhance matching with job descriptions.
- **Technologies Used:** Next.js, MongoDB, Google Gemini, Python (Natural Language Processing), Node.js/Express.js.

SKILLS

Programming Skills: Python, JavaScript/TypeScript.

AI/ML: FastAPI, Langchain, Langgraph, RAG Systems, Machine Learning/Deep Learning Algorithms, Recommender Systems, Natural Language Processing, Tensorflow, Pytorch, Transfer Learning, Image and Video Processing.

Databases: MongoDB, MySQL, VectorDB (Faiss, ChromaDB, Qdrant, PineCone).

Frameworks/Libraries: Next.js, Vite/React.js, Express.js, Node.js.

Developer Tools: Git/GitHub, Docker, VS Code/Cursor/Antigravity/Claude, Postman/Swagger, Render, Vercel, Cloudinary.

Certifications & Training: Green Skills & Artificial Intelligence Foundation, Programming with JavaScript, Python for Data Science, AI & Development, Fundamentals of Java Programming.