

# INDRABHAN BANKELAL PRAJAPATI

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## PROFESSIONAL SUMMARY

Generative AI engineer specializing in **Large Language Models (LLMs), AI agents, and RAG-based systems** with hands-on experience in **LangChain, LangGraph, Hugging Face, and OpenAI APIs**. Skilled in developing **LLM-powered applications, intelligent agents, and automated workflows** that transform complex data into actionable insights. Proficient in **prompt engineering, embeddings, vector databases, and LLM fine-tuning (LoRA/PEFT)**. Experienced in deploying scalable AI solutions using **Flask, Docker, and AWS**, improving system performance, automation efficiency, and real-world business impact.

## WORK EXPERIENCE

### AI Engineer

Apprication Pvt Ltd | Mumbai, India

Oct 2025 – Present

- Building and deploying agentic AI solutions across NLP, computer vision, and recommendation systems.
- Designing applications using frameworks like LangChain, LangGraph, and LangSmith for scalable, context-aware AI workflows.
- Leveraging AWS, Docker/Kubernetes, and CI/CD pipelines for reliable production deployment.
- Working with deep learning, generative AI, and LLMs to power intelligent automation, reasoning agents, and predictive systems.

### AI Researcher

Daten & Wissen Pvt Ltd | Mumbai, India

Sept 2023 – Sep - 2025

- Led AI research projects focusing on deep learning, NLP, and computer vision to develop scalable solutions.
- Engineered and optimized generative AI models and pipelines for applications in automation and analytics.
- Deployed AI systems using Docker, achieving seamless integration and reduced deployment time.
- Collaborated with cross-functional teams to identify and resolve challenges, ensuring timely delivery.

## EDUCATION

- IBM Certification in Data Analysis** | IT Vedant Institute | 2022
- B.Sc. in Statistics** | University of Mumbai | 2020

## PROJECTS

### AI-Powered Merchant Analytics Chatbot using Text-to-SQL and Agentic Workflows

- Built a **Text-to-SQL system with MCP-enabled tool access**, allowing LLM agents to convert natural language questions into optimized SQL queries and retrieve insights from relational databases.

### Cosmetic Data Mining: Generative AI and Deep Learning Models for Information Retrieval

- Automated product detail extraction using OCR and fine-tuned LLMs deployed a deep learning NLP pipeline that improved accuracy and operational efficiency.

### AI-Powered Chatbot for Customer Insights

- Developed chatbot using LangChain, Hugging Face LLMs, embeddings, and prompt engineering with a basic RAG pipeline; deployed via Flask & Docker, achieving 96% user satisfaction

### License Plate Intelligence: Efficient Detection and Recognition Pipeline

- Designed YOLOv8 + PaddleOCR pipeline, optimized with ONNX & TensorRT, reducing inference latency and enabling real-time license plate recognition in production.

### Visionary Inventory

- Developed real-time product counting system with YOLOv8, reducing manual inventory effort by 98% and enhancing throughput.

## Technical Skills

- Programming & Scripting:** Python (NumPy, Pandas, Matplotlib)
- GenAI & NLP:** LangChain, LangGraph, Hugging Face Transformers, OpenAI API, Claude API, Gemini API, Prompt Engineering, RAG (Retrieval-Augmented Generation), Embeddings
- AI Agents & Automation:** CrewAI (Agent Framework), n8n, Zapier, MCP (Model Context Protocol), and LangSmith
- Vector Databases:** FAISS, Chroma, Pinecone.
- Machine Learning & Deep Learning:** PyTorch, TensorFlow, Keras, Scikit-learn, Model Fine-tuning (LoRA/PEFT)
- Computer Vision:** YOLOv8, OpenCV, PaddleOCR, Image Processing, Object Detection
- Deployment & MLOps:** Flask, Docker, ONNX, TensorRT, AWS (EC2, S3, SageMaker), CI/CD Pipelines
- Data Handling:** SQL, APIs