

Kishan Patel

Senior AI-ML Engineer

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Profile

Senior AI/ML Developer with over **3 years of experience**, specializing in **Generative AI, Agentic AI, LLMs**, and **AI/ML technologies**. Proficient in Python and key ML/DL libraries, with a strong foundation in developing, fine-tuning, and deploying AI models. Skilled in leveraging **Azure, AWS**, and **GCP** for cloud-based AI solutions and seamlessly integrating models into production-ready APIs. Adept at delivering data-driven insights, optimizing AI workflows, and collaborating effectively to drive impactful project outcomes.

Professional Experience

Sr. AI/ML Developer

2022 Jan – present

Nexgits Private Limited, Ahmedabad

- Spearheaded the development of generative AI solutions for chatbots and OCR projects, leveraging, Azure Cognitive Services, OpenAI, and Azure Machine Learning to enhance functionality and user experience. Improved processing efficiency by integrating scalable AI models with cloud-based services.
- Leading development of multi-agent sales assistant bot with real-time product recommendations, eligibility evaluation, and customer interaction
- Engineered a wine label detection system, creating a labeled dataset, training a TensorFlow model, and integrating Azure Custom Vision for real-time, high-accuracy classification.
- Designed an AI chatbot using OpenAI and RAG, implementing semantic matching for personalized responses, boosting user engagement and satisfaction.

Education

Bachelor in Computer Engineering

2018 July – 2022 May

Sal Engineering & Technical Institute

Skills

Programming Languages: Python

Generative AI: Agentic AI, Chatbots, LLMs, Conversational AI, Prompt Engineering, OCR, RAG, CAG, ComfyUI

Frameworks: TensorFlow & Keras, PyTorch, Scikit-Learn, LangChain & Llama-index, OpenCV, Django, Flask

Cloud Services: AWS, Azure and Google Cloud

Databases: MySQL, SQLite, PostgreSQL, MongoDB

Projects

AI-Powered HR Recruitment Platform

- Developed a comprehensive HR solution that revolutionizes the recruitment process through AI-powered natural language queries, intelligent candidate matching, and automated interview analysis.

Multi-Agent Sales Assistant Bot

- Leading and developing AI-driven sales bot to assist **50+ field agents** with product information, eligibility checks, and real-time recommendations.
- Managing full development including requirement gathering, client communication, and deployment

Multi-Agent SQL Chatbot

- Built an AI-driven SQL chatbot using **LangChain** to retrieve and analyse structured data from natural language queries
- Implemented dynamic data **visualizations** to surface key insights and trends from database results

Personalized RAG Chatbot

- Developed LLM-based chatbot using Retrieval-Augmented Generation, increasing customer satisfaction
- Automated website data collection and built semantic search system

Wine Label Detection System

- Built TensorFlow-based CV model to detect wine labels with **80% accuracy** from **5,000+ labelled images**
- Deployed in production, automating image processing of **500+ product photos per day**

Microsoft Teams Call Analysis Tool

- Created transcription and entity extraction pipeline using AWS Transcribe, Textract, and SpaCy
- Integrated automated reporting into business intelligence dashboards

Pixel-Art Gaming Avatar Generator

- Trained LoRA models using ComfyUI, Flux and SDXL to generate consistent pixel-art avatars from real user photos.
- Delivered custom avatars across **5+ game** genres with high stylistic consistency and personalized visual output.

Achievement

Semi-finalist 100xEngineers Buidathon 2.0

2025 June

- Selected among **Top 50 out of 500+ teams** for building an AI-driven HR recruitment platform
- Recognized for innovation in **LLM-based candidate analysis, natural language search, and automated interview insights**

Courses

100xEngineers Applied GenAI Mastery Cohort

2025 Feb – 2025 Aug