

KEVAL PADSALA

Python Developer — AI / LLM Systems & Backend Engineering

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PROFESSIONAL SUMMARY

Python developer with 2+ years of experience building AI-powered and backend systems end-to-end — from researching an ambiguous requirement through to a working, production deployment. Recent work centers on turning open-ended "we need something like this" requests into shipped LLM-powered platforms, real-time trading infrastructure, and large-scale data pipelines, personally owning architecture decisions, integration work, and debugging under production load.

TECHNICAL SKILLS

Languages: Python, HTML, CSS

AI / LLM: LangChain, LangGraph, RAG, Prompt Engineering, Ollama, HuggingFace, Open-Source LLMs

Backend: Django, Flask, Django REST Framework, WebSockets, Celery

Data / Scraping / Crawling: Scrapy, BeautifulSoup, Selenium, Zyte, n8n Automation

Databases: PostgreSQL, Neon

Tools: Git, Postman, Claude Code, Antigravity

PROFESSIONAL EXPERIENCE

Python Developer — *IraGlobaltech, Surat*

Jan 2025 – Jul 2026

AI-Based Trading Platform | [Indicatorleads.com](#)

- Designed and built the trade execution and portfolio management modules from scratch, integrating the Binance API over WebSockets to stream live market data with low-latency order execution.
- Used Celery to move trade processing into asynchronous background tasks, keeping the platform responsive under concurrent manual, algorithmic, and AI-driven trading load.
- Debugged and resolved race conditions in concurrent order handling, hardening the execution layer for reliability under high-frequency trading activity.

Tech Stack: Python, Django, Django REST Framework, Celery, WebSockets, Binance API

Conversational AI Platform | [zettalgor.com](#)

- Designed and implemented an OpenAI-compatible API layer that let the team swap in locally hosted open-source LLMs without changing any client-side integration code.
- Built a VS Code extension from the ground up so developers could call the AI assistant for code generation, debugging, explanation, and refactoring directly inside the IDE.
- Owned the context-retention logic for multi-turn conversations, keeping assistant responses accurate and grounded across long sessions.

Tech Stack: Python, Django, Django REST Framework, WebSockets, Open-Source LLMs

RAG-Based AI Voice Calling Agent | [callingagents.in](#)

- Built a Retrieval-Augmented Generation pipeline that grounded the voice agent's responses in real business data for both inbound and outbound calls.
- Integrated Twilio STT/TTS into the pipeline for real-time voice interaction and implemented fully automated appointment scheduling with zero human intervention.

Tech Stack: Python, Django, Django REST Framework, WebSockets, RAG, Ollama, Twilio, LangChain

LLM-Powered Medical SOAP Notes Generator | [medendx.com](#)

- Built the end-to-end pipeline converting raw clinical conversation input into structured SOAP notes, cutting manual documentation time for clinicians.
- Engineered domain-specific prompts to enforce clinical compliance and correct insurance-claim formatting, catching formatting errors before they reached output.

Tech Stack: Python, LLMs, LangChain, Prompt Engineering

Web Scraping & Crawling Automation Pipelines

- Built and deployed production-grade Scrapy and BeautifulSoup crawlers to extract structured data at scale from high-volume websites for lead generation and business intelligence.
- Implemented pagination, session management, retry logic, CAPTCHA handling, and anti-block strategies to keep large-scale crawls running reliably against defensive sites.
- Built automated ETL pipelines to clean, normalize, and enrich scraped data before integrating it into downstream CRM and marketing systems via REST APIs.

Tech Stack: Python, Scrapy, BeautifulSoup, Selenium, Zyte Cloud, PostgreSQL, Neon, REST APIs

Python Developer — Akruz Creative Pvt. Ltd., Surat

Jan 2024 – Jan 2025

Django-Based E-Commerce & Real Estate Platforms

- Designed and built RESTful APIs and optimized PostgreSQL data models for property listings, advanced search, user interactions, and e-commerce operations.
- Implemented secure transaction workflows and modular backend architecture across both platforms, focusing on performance under concurrent user load.

Tech Stack: Django, Django REST Framework, REST APIs, PostgreSQL

Web Scraping & Data Pipeline Development

- Engineered reusable Scrapy spiders extracting millions of structured records across multiple domains, supporting pagination, recursive crawling, and incremental updates.
- Built duplicate-detection and error-handling logic to keep large-scale crawls resilient, and deployed spiders to Zyte Cloud with scheduled runs and monitoring.

Tech Stack: Python, Scrapy, Zyte, Neon, REST APIs

PERSONAL PROJECTS

Owentra — AI-Powered Customer Conversation Platform | Owentra.com

- Built a live, hybrid AI-human SaaS platform from the ground up, training an AI chat assistant on a business's own website content so it answers visitor questions 24/7 in the brand's voice.
- Built an embeddable chat widget (single line of code to deploy) with appointment booking, classic event-based conversation flows, freeform AI chat, and seamless human handoff when the AI couldn't resolve a query.
- Built a live agent console enabling one-click human takeover mid-conversation, giving businesses full visibility and control over live customer interactions.
- Made the platform profitable by designing and integrating tiered, usage-based SaaS pricing (Free through Business plans), owning the build end-to-end from concept to paying customers.

Tech Stack: Python, Django, Django Templating, WebSockets, LLMs, PostgreSQL

INTERNSHIP & CERTIFICATIONS

- DS & ML Internship, UniConverge Technologies (2023) — Implemented a deep-learning model for real-time crop and weed detection.
- SAP Certification – Industry 4.0 Technology, Edunet Foundation (2022) — Built a violence-detection project using ML/CV techniques.

EDUCATION

B.Tech in Computer Engineering

Bhagwan Mahavir University, Surat | 2020 – 2024