

NAVEEN PATIDAR

(Freelance Python Developer - 4 YoE)



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PROFILE SUMMARY

Python Developer specializing in AI and Generative AI applications. Skilled in building full-stack web systems, LLM-based automation pipelines, and intelligent assistants using Django, FastAPI, LangChain, and OpenAI/Claude APIs. Experienced in integrating third-party APIs, managing vector databases, and developing AI-powered backend architectures. Passionate about creating scalable, real-world AI solutions that bridge technology and automation.



PROFESSIONAL EXPERIENCE

Steves AI Lab

AI ML Developer

Apr 2024 - Present

As an AI/ML Developer at Steves AI Lab, I focus on building and deploying Generative AI applications using Python, FastAPI, and Large Language Models (LLMs). I have worked on multiple AI-driven automation tools, integrating vector databases to enhance productivity and workflow automation. My work emphasizes real-world implementation of AI in scalable, production-ready environments.

- Key Responsibilities & Achievements:
- Developed and deployed Generative AI applications using LLMs (OpenAI, Claude) with Python and Django.
- Built AI-powered automation tools for business workflows and internal operations.
- Integrated API to automate emails and synchronize business communication systems.
- Worked on Multi agents for orchestrating multi-agent task workflows.
- Implemented vector database solutions for context-aware retrieval and semantic search.
- Used Docker for containerized deployment and efficient development workflows.
- Hands-on experience with Amazon Web Services (AWS) and Google Cloud Platform (GCP).
- Collaborated with cross-functional teams to deliver robust, scalable AI solutions.

Freelance -AI/ML

Feb 2021 - Apr 2024

AI ML Developer

- Employment type : Freelance
- Location : Indore, M.P (India)
- Description : As a AI ML Developer , I am committed to get knowledge and making the most of every opportunity for growth. I have created projects on Generative AI using Large Language Models, also worked on Chatbot Development, E-mails Automation. emerge as a skilled and proficient Developer.



TECHNICAL SKILLS

- **Languages:** Python
- **Frontend:** HTML, CSS
- **Backend:** Django, Flask, FastAPI
- **Databases:** PostgreSQL, MySQL
- **DevOps:** Docker, Git, GitHub
- **AI/ML:** Large Language Models, OpenAI, LangChain, VectorDB, Multi-Agents, N8n, Make .com
- **Other:** Email Automation, Data Science



EDUCATIONAL BACKGROUND

RGPV University Indore(M.P.)

2024 - Present

Degree : Master Of Computer Application

Institute Name : Indore International College, Indore(M.P)

Vikram University Ujjain (M.P.)

2021 - 2024

Degree : Bachelor Of Computer Application

Institute Name : Govt Madhav Science Collage,Ujjain(M.P)



MP Board: 12th

2021

Institute Name : Sahara Public School Kalapipal (M.P.)



MP Board: 10th

2019

Institute Name : Excellent Public Higher Secondary School Khardon Kalan (M.P.)

1. AI-Powered Medical Research Paper Retrieval System

- **Duration:** Apr 2024 – Sep 2024
- **Tech Stack:** Python · FastAPI · LangChain · RAG · PubMed API · Google Scholar · PostgreSQL · GCP · Cloud Storage · Embeddings · NLP

Developed an AI-driven research platform to help medical professionals and researchers easily discover, summarize, and analyze scholarly papers from PubMed and Google Scholar using natural language queries. The system automatically retrieved papers, author information, citations, and abstracts, then generated intelligent summaries and sub-topic insights through RAG (Retrieval-Augmented Generation) pipelines.

Implemented LangChain for managing prompt flows and context-aware retrieval, and integrated embedding models for semantic search and similarity matching. Deployed the solution on Google Cloud Platform (GCP), using PostgreSQL for metadata management and Cloud Storage for secure document handling. The system provided a fast and AI-assisted alternative to traditional literature reviews, increasing research efficiency by over 60%.

2. Agentic AI Workflow for Automated Content Generation

- **Duration:** Sep 2024 – Mar 2025
- **Tech Stack:** Python · FastAPI · Claude API · Firebase · Firestore · AsyncIO · JSON · Prompt Caching

Developed an advanced agentic AI workflow system using Python and FastAPI with seven autonomous agents designed to automate content generation across diverse business verticals such as marketing, sales, and product strategy. Each agent was interlinked to process data contextually and generate domain-specific articles in sequence. Integrated the Claude API for high-quality text generation and leveraged prompt caching and asynchronous task execution for faster, optimized responses.

Implemented batch processing to handle multiple content requests simultaneously and integrated Firebase for real-time progress tracking. All structured outputs, metadata, and generation logs were stored in Firestore, ensuring transparency and traceability. The project significantly reduced manual content creation time and improved consistency in tone and structure across business domains.

3. MCP-Based AI SEO Automation Suite

Duration: Apr 2025 – May 2025

Tech Stack: Python · FastAPI · Claude API · SEMrush API · MCP · SSE · AWS EC2 · AWS S3 · REST APIs · JSON

Built a Modular Content Protocol (MCP)-based SEO automation platform to streamline keyword research, clustering, and live competitive analysis. The tool automated generation and grouping of high-performing keywords using Claude AI for semantic understanding and the SEMrush API for real-time keyword data.

Developed multiple FastAPI endpoints for keyword generation, domain insights, and clustering, all accessible through Claude Desktop via Server-Sent Events (SSE) for real-time updates.

Deployed the full system on AWS EC2, utilizing S3 for storing reports, logs, and analytics outputs. The solution delivered automated, data-driven insights that improved SEO team productivity and reduced manual research workload by 70%.

4. NetSuite CRM Automation Assistant (RAG-Based AI System)

Duration: Jun 2025 – Present

Tech Stack: Python · FastAPI · GPT-3 · LangChain · NetSuite API · SuiteQL · PostgreSQL · Redis · Celery · Docker · RAG Pipeline

Developed a RAG-based AI assistant for NetSuite CRM that enabled users to perform complex CRM operations—such as creating customers, vendors, invoices, and transactions—using natural language inputs instead of manual form entries. Implemented RAG pipelines to interpret queries, extract context, and dynamically generate SuiteQL statements for the NetSuite database.

Integrated LangChain and GPT-3 to enhance intent understanding and improve query-to-action accuracy. Used NetSuite REST and SuiteQL APIs to automate record creation and data retrieval workflows. Added document intelligence features that allowed users to chat directly with uploaded PDFs or system files from NetSuite's File Cabinet. Deployed the entire solution using Docker, with Redis and Celery managing background tasks and asynchronous job execution. This system drastically streamlined CRM operations and demonstrated the real-world potential of LLM-based enterprise automation.