

# Pranav Sharma

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## Summary

I'm Pranav, a developer specializing in **automation, AI integration, and system development**. I build **fast, privacy-first solutions** that simplify workflows, enhance productivity, and scale efficiently. My work spans **Python scripting, AI-driven automation, intelligent agents, and containerized deployments**, combining tools like **LangChain, Hugging Face, OpenAI API, Gemini, Docker, and Linux** to deliver lightweight, maintainable, and user-friendly systems.

## Skills

**Programming & Automation:** Python, Bash, Selenium, Streamlit

**AI & ML Tools:** LangChain, Hugging Face, OpenAI API, Gemini, BLIP2, FAISS, Llama.cpp

**DevOps & Systems:** Docker, Docker Compose, Arch Linux, Linux CLI, GCP

**Other:** Git, Prompt Engineering, OCR, Data Processing (NumPy, Pandas)

## Projects

### PlatoAI – Philosophy-Based Life Coach (RAG Pipeline)

*July 2025 – August 2025* | Built an **end-to-end Retrieval-Augmented Generation (RAG) pipeline** using LangChain and FAISS.

- Implemented **sentence embedding retrieval** with Sentence Transformers.
- Developed a **React + Tailwind frontend** and **Express backend** with JWT authentication.
- Added **offline LLM inference** with Llama.cpp for privacy-first processing.

### Minisite Automation Tool – Large Scale Workflow Automation

*August 2025 – September 2025* | **Reduced minisite creation time from 12–14 hours to just 30 minutes** per site.

- Automated design, deployment, and content integration using **Python and Selenium**.
- Streamlined deployment through **Dockerized environments** for scalable workflows.

### Project Alfred – Offline LLM Assistant (Android)

*June 2025 – Present* | **Kotlin-based AI assistant** for Android enabling **offline LLM inference** with Llama.cpp.

- Modular design for tasks like **summarization, reminders, translation** without cloud dependency.
- Optimized performance using Llama.cpp's Java bindings.

## Education

### Vivekananda Institute of Professional Studies – BCA

*May 2022 – June 2025 / Delhi, India*

Core focus: Systems Design, AI, Web Development

Capstone: Lightweight LLM Assistant for Android

## Certifications

### Machine Learning Specialization – Stanford Online (Coursera)

Instructor: Andrew Ng | Completed: March 2023

Topics: Supervised Learning, Neural Nets, Recommenders, Reinforcement Learning