

AKSHAR PATEL

PYTHON DEVELOPER

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PROFESSIONAL SUMMARY

Results-driven Python Developer specializing in backend architecture, REST APIs, and machine learning. Proven ability to build scalable applications using Django, TensorFlow, and scikit-learn. Adept at creating end-to-end solutions—from web scraping pipelines to AI-driven recommendation systems—with a strong focus on clean, efficient code and seamless database integration.

KEY PROJECTS

PaperLoop - Recommendation System

Tech Stack: Django, Python, MongoDB, Scikit-learn

- Developed a Django/Python recommendation system with ArXiv web scraping for collecting paper metadata.
- Implemented TF-IDF filtering and SVD-based matrix factorization for hybrid recommendations.
- Built an end-to-end pipeline: cleaning, feature engineering, model training, and serving.

SmartCartCompare - Product Comparison

Tech Stack: React, Tailwind CSS, Node.js, Express.js, MongoDB, Cheerio

- Built a full-stack platform to compare product prices, ratings, and details across Amazon and Flipkart.
- Implemented live web scraping using Cheerio and Axios to fetch real-time product data.
- Developed user authentication, search history, MongoDB caching, and email notifications.

Swastik-AI | AI Chat Application

Tech Stack: Flask, Python, PostgreSQL, JWT

- Developed a full stack AI chat application in Python (Flask) with secure JWT authentication.
- Integrated Gemini, OpenAI, Groq, and DeepSeek APIs for multi-model chat responses.

EDUCATION

Lok Jagruti Kendra University

BE in Computer Science

CGPA: 7.83

Expected 2028

TECHNICAL SKILLS

- Python
- Django
- React
- NodeJS
- ExpressJS
- HTML / CSS / Tailwind
- PostgreSQL
- MongoDB
- Git / GitHub
- Java

CERTIFICATIONS

- Generative AI: Prompt Engineering Basics
- Exploratory Data Analysis for Machine Learning
- Inheritance and Data Structures in Java
- Introduction to Object-Oriented Programming with Java

LANGUAGES

- English
- Hindi
- Gujarati