



# Axit Patel

**Nationality:** Indian **Date of birth:** 13/10/2003 **Place of birth:** Amod, India **Gender:** Male

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## ABOUT ME

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Backend-focused Computer Applications graduate with hands-on experience in building and deploying full-stack and AI-powered systems using Python, Django, and Flask.

Actively working with Machine Learning, Deep Learning concepts, and Large Language Models (LLMs) through real-world projects such as PDF-based Q&A systems, retrieval-augmented generation pipelines, and AI chatbots. Strong interest in scalable backend systems, applied AI engineering, and production-ready AI workflows.

## EDUCATION AND TRAINING

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### Bachelor in Computer Application

**Natubhai V. Patel College of Pure & Applied Sciences** [ 25/01/2022 – 16/05/2025 ]

City: Anand, Gujarat | Country: India | Final grade: 9.13

## LANGUAGE SKILLS

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**Mother tongue(s):** Gujarati | Hindi

**Other language(s):** German | English

## SKILLS

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### Backend & Systems

SQL / Python / Django / Flask / MongoDB / PostgreSQL / MySQL / Sqlite

### Frontend

Next JS / HTML / Bootstrap / JavaScript / CSS

### DevOps & Development

Docker / GitHub / Git / Vercel / Hostinger / Linux / Podman

### Machine Learning & AI

Machine Learning / Deep Learning / LLM & Applied AI / Huggingface transformers / FAISS

## PROJECTS

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**Cash School — Full-Stack EdTech & Community Platform** Full-stack Django platform with authentication and role-based access• Implemented course monetization, payouts, ads, and real-time chat• Tech: Django, HTML/CSS/JS, PostgreSQL

Link: <https://github.com/axitpatel1310/Cashskool-django>

**Pattern-Based Chatbot with PDF Generation & Image Editing** Solo project built with Flask, Python, HTML, CSS, JavaScript• JSONL-driven chatbot for rule-based query recognition and responses• Implemented on-demand PDF generation using ReportLab via text commands• Integrated image editing features (crop, rotate, brightness, contrast) using Pillow• Developed responsive UI with file upload/download and real-time previews• Implemented secure Flask backend for request handling and file delivery

Link: <https://github.com/axitpatel1310/advance-chat-bot-flask>

**Flask Chat-Bot (Live On Vercel)** REST-based chatbot with JSON-driven responses• Deployed as a serverless app on Vercel• Tech: Flask, Python, HTML/CSS/JS

Link: <https://simple-prompt-response-chatbot.vercel.app/>

**PDF Chat Bot** • LLM-based PDF question-answering system using FAISS vector search• Implemented embedding-based retrieval and contextual answer generation• Tech: Python, FAISS, PyPDF2, Hugging Face

Link: <https://youtu.be/9IMX15ikRyE?si=EACtsq9AszoEW2cB>

## CREATIVE WORKS

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**Programming & AI Content Creator** • Created **97+ programming & AI tutorial videos** on YouTube• Published *Python for Beginners* course on Udemy• Content Creation (kernx.ai)

Links: <https://www.youtube.com/@akkyaapatel/> | <https://www.instagram.com/kernx.ai/>