Kavya Shah

Python Backend Developer

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SKILLS

• Python • FastAPI • Odoo • JavaScript • React • Tailwind CSS • Three.js • Framer Motion • Machine Learning • Deep Learning • Neural Networks • Natural Language Processing • MySQL • PostgreSQL • Git • GitHub

NON-TECHNICAL SKILLS

• Client Communication • Requirement Analysis • Stakeholder Management • Problem-Solving • Team Collaboration • Adaptability • Time Management

PROFESSIONAL EXPERIENCE

Python Backend Developer Intern

Arihant AI Ahmedabad Current (6 Months)

- Engineered and deployed scalable **ERP backend modules using Python**, automating internal business workflows and improving operational efficiency for enterprise-facing systems
- Designed and implemented **RESTful API integrations** to connect backend services with front-end and third-party applications, supporting seamless enterprise system communication
- Partnered directly with clients through **requirement gathering, solution design, and stakeholder communication**, translating business needs into technical specifications and functional backend solutions
- Contributed to **database design, data handling, and backend architecture**, ensuring reliability and scalability for enterprise-facing applications
- Collaborated in an **Agile development environment**, using **Git/GitHub** for version control and iterative feature delivery
- Developed and customized an Odoo ERP system for a spice manufacturing company by implementing Manufacturing, Inventory, Purchase, and Sales modules using Python, Odoo, PostgreSQL, and XML.

Python Development Intern

Navodita Infotech Ahmedabad Jul 2025 - Aug 2025

- Delivered real-world **Python development projects** independently, strengthening core **object-oriented programming, debugging, and problem-solving** skills in a production setting
- Gained hands-on exposure to **software development lifecycle (SDLC)** practices, including version control, code review, and structured testing
- Applied **backend development fundamentals** to build functional modules under mentorship, translating requirements into working code
- Built a Python-based web scraping tool using BeautifulSoup and Requests to extract, clean, and organize product data from websites into CSV/Excel for analysis and reporting.

EDUCATION

Computer Science Engineering | CGPA - 8.30

Sal Institute Of Technology And Engineering Research Ahmedabad, Gujarat Jul 2023 - Apr 2027

Minor Degree - Cybersecurity

Gujarat Technological University (GTU) Gujarat Expected 2027

PROJECTS

AI-Powered Website Generation Platform

Python, FastAPI, React, TypeScript, Ollama, Qwen3, Multi-Agent AI, Generative AI, LLM

- Architected a multi-agent Generative AI system powered by Large Language Models (LLMs) that converts natural-language business requirements into fully personalized website plans — directly parallel to Conversational AI-driven business automation
- Built specialized AI agents for intent understanding, NLP-based business analysis, psychology-driven UX recommendations, UI/UX planning, animation strategy, and automated code generation
- Designed an interactive clarification workflow enabling iterative requirement refinement, improving output accuracy and reducing rework — mirroring conversational, context-aware AI interaction design
- Built with a FastAPI backend and React/TypeScript frontend, demonstrating full-stack, end-to-end AI product development

AI-Powered Voice Calling Assistant

- Built an end-to-end Voice AI / Conversational Bot automating phone-based client interactions — directly aligned with Voice Chatbot and Virtual Assistant development
- Integrated real-time conversation management using LLM-based natural language response generation and Text-to-Speech (TTS) for human-like, omnichannel-ready voice interactions
- Leveraged Twilio for telephony/voice channel integration, reflecting hands-on experience with omnichannel bot deployment across voice and communication platforms

CERTIFICATIONS

- Advanced Course on Green Skills and Artificial Intelligence - Skills4Future Program by Edunet Foundation, AICTE & Shell (Feb - Apr 2026)
- Python 101 for Data Science - IBM Developer Skills Network / Cognitive Class (Jun 2025)
- Financial Literacy Course for Bharat - National Institute of Securities Markets (NISM) (Sep 2025)

HACKATHON

AETRIX Hackathon 2026 (36 Hours) - Team Leader

Led a multidisciplinary team during a 36-hour national hackathon, overseeing project planning, task distribution, and solution development from ideation to final presentation. Collaborated on designing and implementing a functional prototype, integrated AI-driven features, resolved technical challenges under strict time constraints, and presented the solution to a panel of judges, strengthening leadership, teamwork, and rapid problem-solving skills.

CodeSangram Hackathon - Career AI

Designed and developed Career AI, an AI-powered career guidance platform that analyzes users' skills, interests, and career goals to provide personalized career recommendations, learning roadmaps, and skill-gap analysis. Contributed to system architecture, frontend and backend integration, AI workflow design, and prototype development while collaborating effectively with Team Brute Force throughout the hackathon.