Utkarsh Sharma

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PROFESSIONAL SUMMARY

Python Developer with 2+ years of hands-on experience building backend applications using FastAPI and Flask. Experienced in designing RESTful APIs, integrating SQL databases, and deploying cloud-based services. Strong foundation in data structures, API-driven AI systems, and scalable backend development.

EDUCATION

Vellore Institute of Technology — Bhopal, India
B.Tech in Computer Science (AI & ML) — *2023 – 2027*
Relevant Coursework: Data Structures & Algorithms, DBMS, Operating Systems, Artificial Intelligence, OOP, Computer Networks

TECHNICAL SKILLS

Programming Languages: Python (Primary), Java, C++
Backend Frameworks: FastAPI, Flask
Frontend: React, HTML5, CSS3, Tailwind CSS, Bootstrap
Databases: MySQL, PostgreSQL(supabase)
APIs & Concepts: RESTful APIs, CRUD Operations, OOP, DSA, API Integration, Computer Vision
Tools & Deployment: Git, GitHub, Render, Cloud Platforms

PROJECTS

ResumeAI | Python, FastAPI, React, PyMuPDF, LLM APIs — Dec 2025 – Jan 2026
- Developed a **Python FastAPI backend** delivering automated resume evaluation and ATS scoring (0–100).
- Processed and analyzed **50+ PDF resumes** using Computer Vision and **LLM APIs (OpenRouter)** to assess layout, keyword relevance, and ATS compatibility.
- Designed and deployed scalable RESTful APIs on **Render**, supporting end-to-end document ingestion and analysis.
- Generated actionable ATS-focused recommendations, reducing manual resume screening effort by **60%**.

Mindful Space | React, FastAPI, GenAI — Dec 2025 – Present
- Built a full-stack mental health application with a **Python FastAPI backend** for AI-driven emotional analysis.
- Implemented backend logic to evaluate stress, anxiety, and confidence indicators and generate personalized summaries.
- Integrated an AI-powered chatbot providing real-time, context-aware responses.
- Developed a responsive and accessible UI using React and Tailwind CSS.

Career210 – Job Portal | Flask, Aiven MySQL — Aug 2024 – Oct 2024
- Developed a **Flask-based backend** enabling dynamic job posting, application tracking, and CRUD operations.
- Integrated **Aiven Cloud MySQL** for real-time data persistence and scalable database management.
- Implemented secure application workflows and deployed the platform on Render.

LLM Powered Voice Assistant | Python, LLaMA (Groq API) — Oct 2024 – Nov 2024
- Built a Python-based voice assistant capable of executing system commands and browser automation.
- Integrated **LLaMA via Groq API** for intelligent, context-aware conversations.
- Implemented continuous listening with wake-word detection for hands-free interaction.

EXPERIENCE & VOLUNTEERING

Ganga Bhumi Club — Bhopal, India
Technical Team Member — *Dec 2024 – Oct 2025*
- Automated email communication and managed large-scale form submissions using backend scripts.
- Designed, launched, and maintained the official club website to improve member engagement.

CERTIFICATIONS & ACHIEVEMENTS

Google IT Support Professional Certification - Google

Applied Machine Learning in Python – Coursera

Introduction to Generative AI – Google Cloud

Cloud Computing – NPTEL (IIT Kharagpur)

Certified Journal Publication – International Journal of All Research Education & Scientific

C++ Programming Certification – Simplilearn