UTKARSH TRIPATHI

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SUMMARY

Aspiring **Python Developer** with hands-on experience in **Django, Flask, RESTful APIs,** and full-stack web development. Skilled in backend integration using **PostgreSQL/MySQL** and frontend development using **HTML5, CSS, JavaScript**.Enthusiastic about building secure, scalable applications and contributing to real-world software solutions.

EDUCATION

Bachelor of Technology, Dronacharya Group of Institutions, Greater Noida	Passed 2025
Computer Science Engineering (CGPA: 7.92)	
Intermediate, Gurunanak Inter College, Mirzapur	Passed 2020
High School, Gurunanak Inter College, Mirzapur	Passed 2018

INTERNSHIP EXPERIENCE

Onelogica(Data Science Intern)   Dec 2024 - March 2025

Performed comprehensive data extraction, transformation, and loading (ETL) processes, followed by in-depth data analysis and the creation of interactive dashboards for actionable insights. Built and evaluated prediction models using advanced forecasting techniques such as ARIMA, XGBoost, and other machine learning algorithms on real-world datasets.

Devtern (Web Developer Intern)   Jul 2024 – Aug 2024

Developed an e-commerce platform using **JavaScript, HTML, and CSS**. Collaborated with team members to optimize UI performance and ensure seamless system interactions. Designed and deployed a **to-do list application and landing page** focusing on responsive layouts and efficient user experience.

TECHNICAL SKILLS

Programming: Python, Java
Frameworks & Libraries: Django, Flask, Pandas,OpenCV,Scikit-learn
Web Technologies: HTML5, CSS3, JavaScript
Databases: PostgreSQL, MySQL
APIs & Tools: RESTful APIs (JSON/XML), Git/GitHub,Power Bi, Excel

PROJECTS

MeetSync – Real-Time Video Conferencing Platform   (Django, ZegoCloud SDK, OpenCV)
Created a web-based video conferencing platform with features like **real-time meetings, automatic attendance, notes preparation, and air canvas gesture drawing**.Designed responsive UI and integrated voice commands for interactive collaboration.

Scrapy-Chatbot   (Flask,Playwright,Ollama,PostgreSQL)
AI-powered web scraping platform that extracts and categorizes web content (text, links, images, videos, PDFs, DOCX). Integrated LLaMA 3.2 with LangChain to enable natural language querying over scraped data, stored in PostgreSQL, and delivered through a responsive web interface with real-time scraping feedback.

Gesture-Sync Tube – Vision-Based YouTube Controller   (Django, Python, OpenCV)
Built a computer-vision-based system that recognizes hand gestures to control YouTube video playback (play, pause, volume) and detects user drowsiness using eye aspect ratio analysis.

RESEARCH WORK

Image Processing Techniques in Autonomous Vehicles — Presented at the *2nd International Conference on Optimization Techniques in Engineering and Technology (ICOTET-2024)* as Corresponding Author.

CERTIFICATIONS

- Programming Concepts in Python – (Infosys-Springboard)

- Machine Learning Beginner – (Infosys-Springboard)

- AWS Academy Graduate – AWS Academy Cloud Foundations

- Basic of Networking , (CISCO)

- Core Java Programming Revisited. , (Infosys-springboard)