Anubhav Choubey

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GitHub | LinkedIn | Kaggle | Jabalpur, Madhya Pradesh

EXPERIENCE

Technical Intern @Rozana.in (Onsite)   Jul 2025 - Present
- Built a pipeline for automated image generation and editing using SOTA open-source models (Flux Krea Dev, Qwen Image Edit, Vision LLMs) to enhance catalog image quality.
- Automated generation of display names, descriptions, and visual tags using Gemini API, and optimized Typesense queries for improved search relevance.
- Developed a pipeline to fetch, process, and deploy geofencing data for store coverage areas, enabling seamless production integration.

Deep Learning Intern @Devnex Technologies   Sep 2024 - Jul 2025
- Deployed open-source models (Flux, Flux Kontext, InternVL, Gemma, etc.) on HuggingFace Endpoints and Modal.com with quantized versions for efficient remote execution
- Optimized model performance by reducing memory usage and runtime through parallel processing, multithreading, and pipelining
- Collaborated in professional environments using ticket-based systems, Git workflows, and maintained thorough code documentation

Intern @Lexi.ai   May 2024 - Jun 2025
- Developed a Django backend with a web-hosted SQL database, including MySQL schema design and robust validation for accurate data transmission.
- Contributed to website basic frontend development using HTML, CSS, JS (React)

Freelancer   Sep 2023 - Sep 2024
- Completed 15+ projects spanning Python, FastAPI, Django, Machine Learning, automation, and various Python frameworks

PROJECTS

School Sphere - School Management System | GitHub | Python, FastAPI, Celery, Radis, JWT
- Engineered a secure backend with JWT-based authentication and multi-role access control, ensuring safe request handling and granular read/write permissions.
- Optimized performance using Redis-based class-level caching, Celery for task scheduling, and multithreading to reduce redundant processing and improve scalability.
- Followed industry best practices (logging, lazy loading, exception handling) while building with Python, FastAPI, Redis, Celery, and JWT for a production-ready system.

Chess AI | GitHub | Python, PyGame, Minimax Algorithm, Artificial Intelligence, Parallel Programming
- Built a Chess game with an AI opponent (~1000 ELO) using Python, PyGame, and the Minimax algorithm.
- Optimized AI performance with parallel processing, multithreading, and best coding practices.

Gesture Controlled Virtual Assistant | GitHub | OpenCV, Python, MediaPipe, NumPy
- Created a virtual assistant that uses gesture control for hands-free computer interaction
- Incorporated facial and hand filters to enhance the representation of the subject

SKILLS

- **Languages & Frameworks:** Python, Django, FastAPI, SQL
- **AI/ML & Deep Learning:** Prompting, ComfyUI, Pipelining, HuggingFace, CV, NLP, OpenCV, Inferencing
- **Data Handling:** MySQL, SQLAlchemy, Pandas, NumPy, BeautifulSoup4, Firebase, REST APIs, Webhooks
- **Cloud & Deployment:** HuggingFace Endpoints, AWS, Linux, Docker
- **Tools & Automation:** Selenium, Git, GitHub

EDUCATION

B.Tech (Artificial Intelligence and Data Science) : JEC (Est. 1947) - 8.4*   Jul 2022 - Apr 2026

CBSE (Senior Secondary Education) : KVOFK - 92.2%   Apr 2021 - Jul 2022

ACCOMPLISHMENTS

- Led "Team Conquerors!" to SIH'24 Finals
- LeetCode: Solved 200+ problems in Data Structures and Algorithms
- Led the winning team at CodeKumbh Hackathon, showcasing leadership and teamwork skills
- Team leader for a Top 4 project at the HackCrux Hackathon
- Built and manage a coding-focused YouTube channel with 10.4K+ subscribers and 2.7M+ total views
- Certifications: Python, AI, ML, Technical Support Fundamentals . <u>View Certifications</u>