KIRTI POGRA

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SUMMARY

Passionate about Artificial Intelligence, Machine Learning and Data Science, showcasing my talent through innovative projects and I always have a hunger for continuous learning and growth

TECHNICAL SKILLS: Python, PyTorch, TensorFlow, Pandas, NumPy, sklearn, LangChain, data collection and preprocessing, git, huggingface, OpenCV,etc.

OTHER: Data Collection, EDA, Machine Learning Algorithms, Computer vision, transformers, GenAI, etc.

PROFESSIONAL EXPERIENCE

SASEFIED

AI Engineer Intern   *July 2024 – Dec 2024*

- Designed and implemented an AI-powered interview system using a LLaMA model and LangChain, enabling dynamic question generation and context-aware responses.
- Integrated text-to-speech functionality to convert AI-generated questions into audio for end-user delivery.
- Developed a prototype for lip-syncing videos synchronized with the generated audio; however, due to time constraints and the priority to launch the product, this feature was not finalized.
- Delivered core project functionalities within a tight deadline to ensure timely product deployment.

BLOCKVERSE

AI/ML Engineer Intern   *April 2024 – June 2024*

- Built a resume scoring system using OpenAI API, applying machine learning concepts to rank resumes based on job descriptions.
- Developed a dynamic story generation tool using deep learning (Stable Diffusion for images, text-to-speech for audio) and integrated components into videos.
- Deployed both projects as interactive web apps using Streamlit.
- Strengthened understanding of machine learning and deep learning algorithms through hands-on project implementation under mentor guidance.

PROJECT

- AgroAI Chatbot

  Developed **AgroAI,** a GPT-3.5-powered chatbot using Python and Streamlit, providing farmers with real-time insights on crop diseases, farming techniques, weather forecasts, crop prices, and government policies. Enabled intuitive user interaction to optimize agricultural decision-making and improve farming productivity.

- Web Scraping on Flipkart

  Built a web scraping tool using Python's BeautifulSoup and requests libraries to extract product details (name, price, rating, reviews) from Flipkart.Cleaned and preprocessed data using pandas, saving results to CSV files for further analysis.

- Food Delivery Time Prediction

  Designed a machine learning-based system to predict food delivery times, achieving an MAE of 1.54 and R^2 score of 0.93 using XGBoost. Conducted data collection, cleaning, feature engineering, and model evaluation using Python, Jupyter Notebook, and Scikit-learn.

- Vehicle Detection and Counting System

  Implemented a **YOLOv8**-based system for real-time vehicle detection and counting in videos using Python.Developed tracking scripts (`tracker.py`, `test.py`) to monitor vehicle movements and count crossings, enhancing traffic management analytics.

EDUCATION & OTHER

MCA in **Artificial Intelligence, Chandigarh University**   *2024-2026*

Bachelors in computer science, Vikram University   *2021-2024*

LANGUAGES: Hindi, English.

INTERESTS: Listening to music, drawing, art & crafts.

CERTIFICATION: AI Internship from Sasefied, AI and ML internship from BlockVerse, and more.