Kirti Pogra

Email LinkedIn GitHub +919685413294 Neemuch,Madhya Pradesh Portfolio

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

Projects:

- **Resume Scoring System**
  - Developed a resume scoring system utilizing a pre-trained OpenAI model to assess resumes against job descriptions, deployed on the Streamlit platform.
  - Implemented a Python-based resume scoring application using Streamlit and integrated functionality for uploading job descriptions and resumes, generating scores, and exporting results to CSV format.
  - Utilized Streamlit and integrated OpenAI's model to create an automated resume scoring tool, enhancing HR efficiency in evaluating candidate suitability against job requirements.
- **Story Creation Using AI**
  - Developed an AI-driven platform utilizing OpenAI and Stable Diffusion Inferance API to generate custom stories in video format with synchronized audio, aimed at enhancing HR training effectiveness.
  - Implemented a Python-based application utilizing OpenCV, MoviePy, and OpenAI's text-to-speech capabilities to automate story creation based on user-provided topics, facilitating interactive learning experiences through video narratives.
  - Utilized Streamlit for user interaction and integrated AI technologies to automate story generation processes, leveraging MoviePy and ffmpeg for seamless creation of audio-visual content for HR training purposes.
- **AgroAI chatbot**
  - Developed AgroAI, a chatbot powered by OpenAI's GPT-3 model tailored to assist farmers by providing real-time information on crop diseases, farming techniques, crop prices, weather forecasts, and government policies.
  - Implemented Python-based Streamlit application integrating OpenAI's GPT-3.5-turbo model for intuitive interaction, enabling farmers to make informed decisions and optimize agricultural practices.
  - Created a versatile agricultural chatbot utilizing Streamlit and OpenAI's API, focusing on enhancing farming productivity through access to crop-specific data, weather updates, and governmental agricultural policies.
- **Web Scraping On Flipkart**
  - Implemented web scraping on Flipkart using Python's BeautifulSoup and requests libraries to extract product details like name, price, rating, and reviews, saving results to CSV files.
  - Developed scripts in Python for web scraping Flipkart, utilizing BeautifulSoup and requests for data extraction, with subsequent data cleaning and preprocessing steps conducted using pandas.
  - Conducted web scraping on Flipkart to retrieve product information, employing BeautifulSoup and requests in Python, and organizing data into CSV files for further analysis and manipulation.
- **Food Delivery-time prediction**
  - ✓ Developed a robust food delivery time prediction system using machine learning, featuring data collection, extensive exploration, cleaning, and advanced feature engineering to enhance model accuracy.
  - ✓ Implemented various machine learning algorithms including XGBoost, achieving significant performance metrics such as Mean Absolute Error (MAE) of 1.54 and R^2 Score of 0.93, indicating effective delivery time predictions.
  - ✓ Utilized Python, Jupyter Notebook, and key libraries like pandas, scikit-learn, and XGBoost for comprehensive model evaluation and visualization, offering insights into food delivery efficiency enhancements through predictive analytics.
- **Vehicle Detection and Counting System**
  - ✓ Implemented a vehicle detection and counting system using YOLOv8 for object detection, featuring scripts `tracker.py` and `test.py` for real-time vehicle tracking and counting as they cross a specified line in videos.
  - ✓ Utilized Python and essential libraries to develop algorithms that track vehicle movements and

accurately count their crossings, enhancing efficiency in traffic monitoring and management.

- ✓ Integrated object tracking and counting logic into Python scripts `tracker.py` and `test.py`, facilitating robust vehicle detection and counting capabilities in video footage, aimed at enhancing transportation analytics.

Experience:

BlockVerse Institute March 2024 - Present

Artificial Intelligence Intern Remote

I undertook a rewarding 3-month internship where I collaborated closely with a mentor to deliver impactful projects. With their guidance, I successfully completed projects such as a resume scoring system, story creation using AI, and taxi fare price prediction. These experiences significantly bolstered my proficiency in machine learning and application development.

CompWallah Feb 2024 - April 2024

AI/ML Intern Remote

During my internship, I was entrusted with multiple projects with defined timelines. I successfully delivered projects on vehicle detection, Netflix stock price prediction, and food delivery time prediction. This experience honed my project management skills and deepened my expertise in machine learning and predictive analytics.

Skills:

Soft Skills:

Communication, Problem Solving, Time Management, Self-Learner, Teamwork, Adaptability, Critical Thinking, Leadership

Technical Skills:

- Python (including libraries like TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy)
- Machine Learning Algorithms (Regression, Classification, Clustering)
- Deep Learning (Neural Networks, CNNs, RNNs)
- Natural Language Processing (NLP) (NLTK, SpaCy, Transformers)
- Computer Vision (OpenCV, TensorFlow, PyTorch)
- Data Analysis and Visualization (Matplotlib, Seaborn, Plotly)
- Data Engineering (Data Cleaning, Feature Engineering, Data Transformation)
- Statistical Analysis (Hypothesis Testing, A/B Testing)
- AI Model Deployment (Flask, Streamlit, Docker)
- Version Control Systems (Git, GitHub)
- Database Management (SQL, SQLite, PostgreSQL, MySQL)
- Cloud Technologies (AWS, Azure, Google Cloud Platform)
- Big Data Technologies (Hadoop, Spark)
- Time Series Analysis

Education:

Vikram University, Ujjain *2022-2024*

Bachelors of Science in Computer Science

Certifications:

- ◆ Data Science Virtual Experience Program BCG
- ◆ Data Science Virtual Experience Programme British Airways
- ◆ Data Visualisation: Empowering Business with Effective Insights Tata Group
- ◆ Associate Data Scientist in Python DataCamp
- ◆ Data Science Ethics Coursera