

Jyotsan Hamal

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Experience

Intern at Subiz Innovations as Python Automation Engineer

- Jun 2023 - Nov 2023 · 6 months
 - **Data Extraction** : Made a python bot which extracts the Nepal stock exchange stocks data into a csv file.
 - **OCR** : Used a paddlepaddle OCR which converts Bank statement images into excel sheet.
 - **Data Cleaning** : Extracted data from different sites which i was able to clean for model training.

Projects

Face Recognition Based Attendance System : As a backend developer, I played a pivotal role in the development of a Face Recognition Based Attendance System. My responsibilities included real-time face recognition implementation. I contributed to the project's success by managing databases, ensuring seamless data flow, and integrating various components. This System features an admin dashboard for efficient monitoring of student attendance..

Libraries used :

- OpenCV
- Django
- Tensorflow
- PostgreSQL
- OpenVino

Health Diagnose System : In the Health Diagnose System project, I took a leading role as a developer, utilizing Tensorflow, Pandas, Flask, and Numpy. My primary contribution involved training a neural network to effectively classify 43 diseases based on a selection of symptoms provided by users from a pool of 103 symptoms. This project showcases my expertise in machine learning and backend development for healthcare applications.

Libraries used :

- Tensorflow
- Pandas
- Flask
- Numpy

Fine-tune BERT Transformer: In this project, I was able to fine-tune 'bert-large-case' model in Game of throne book raw text data using Masked Language Modeling .My main aim for this project was to see the difference in fine-tune BERT embeddings vs embeddings of 'bert-large-case' model will the Euclidean distance of both embedding for similar character be any different.

Libraries used :

- Pytorch
- transformer
- Numpy
- CUDA

Others :

- Trained Movie Recommendation System on 50,000 movie dataset.
- Python bots which scrapes data.
- Sentiment Analysis.
- OCR using paddlepaddle.

Technical Skills

Programming Languages

- Python
- C

Frameworks :

- Pytorch
- Tensorflow
- Sklearn
- Jupyter notebook
- Selenium
- FastAPI
- Flask
- Django
- Git

Domains :

- AI
- Machine Learning
- Deep Learning
- MLOps
- Computer Vision
- NLP

Certifications

- CS50 Introduction to Computer Science - Harvard University
- SQL - HackerRank
- Problem solving - HackerRank
- Python - HackerRank

Thank You

I hereby declare that the information provided is purely truthful and if any misinformation is being encountered then I will be solely responsible for the inconvenience and circumstances.