Hasanur Rahman Mohammad

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Personal Profile

I am actively looking for experiences in a machine learning role. I have a specific interest in deep learning and its implementations in computer vision namely in robotics. Currently I am focusing on researching CNN models to solve computer vision problems such as real time object detection.

Education

UNIVERSITY OF WESTMINSTER | 2021-2024

BSc Computer Science
Activities and Societies: Volleyball Club, Badminton Club, Google Student Club

UNIVERSITY OF WESTMINSTER | 2020-2021

Foundation year in Data Science and Analytics
Activities and Societies: Course Representative.

NEWHAM SIXTH FORM | 2018-2020

UAL Level 3 Extended Diploma in Art and Design (Merit)
Activities: Badminton Club.

LANGDON ACADEMY | 2013-2018

10 GCSEs including Mathematics (6) and English (7).

Experience

DATA SCIENCE & NLP INTERN |DATA GLACIER | SEPTMBER 2022 – PRESENT

- Built an NLP Sentiment Analysis application for Yelp reviews.
    - Steamlit was used as the front end and the app was deployed using the Streamlit Cloud service.
    - Incorporated a pretrained BERT model using the Hugging Face transformers library to carry out sentiment analysis.
    - Scraped the yelp sites to get the reviews and ran them through the NLP model to then get a score from 1 to 5, 1 being bad and 5 being good.

MACHINE LEARNING INTERN | HAMOYE AI | AUGUST 2022 – SEPTEMBER 2022

- Operated with a team of other interns using Git and Github for better version control across the group tasks.
- Virtualized python environments using Conda to maintain project dependencies and to allow easier deployment to the Streamlit Cloud services.
- Developed and deployed a machine learning application using Streamlit, the app uses a simple linear regression model to predict student's marks based on the number of hours studied.
- Researched Neural Networks and implemented a Simple Neural Network using Tensorflow. The model was trained on the infamous MNIST data set, to carry out hand digit recognition and predict the number given.
- Built an end-to-end deep learning program with a CNN (Convolutional Neural Network) model for a binary classification problem. Predict if an image is a potato or not.
    - Scraped the web for images and used Tensorflow to create a data pipeline and split it in training and testing sets.
    - Implemented a 9-layer CNN as it produces better results with the smaller data-test I gathered.
    - Tested the model with randomly picked images from the web to evaluate it.

Skills

- **PYTHON, CONDA, TERMINAL, TENSORFLOW, PYTORCH, LINUX, MACHINE LEARNING**