Noman Siddique

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Objectives

To pursue a challenging career and be a part of the progressive IT industry that gives a scope to enhance my knowledge and utilizing my skills towards the growth of the IT industry. Experienced with several programming languages, frameworks and database engines to provide quality support in developing and deploying web-based or android-based software as well as DL/ML-based solution.

Projects

❖ **Denoising X-ray image using convolutional autoencoder**

In this project, the proposed convolutional neural network-based algorithm reduces the Gaussian noise from x-ray images. we minimize the loss using CNN based algorithm. The proposed CNN-based model efficient for transfer learning methods from noisy images to the noise-free image. denoising operation using CNN-based methods is more robust and faster than other existing methods. (https://github.com/jahed2/Image-denoising-using-CNN)

❖ **Covid-19 data analysis using the python**

I am using two datasets for this project, one is covid_19_confirmed_datasets another is world_happiness_report datasets. for this project, I am using data_analysis tools pandas, NumPy, seaborn,matplotlib, calculate infection rate in the particular and overall country per day. comparing two datasets calculate the maximum infection rate. using graphical representation to visualize the two datasets.

(https://github.com/jahed2/data_analysis/blob/main/covid-19%20data%20analysis.ipynb)

❖ **Chatbot using python and GUI**

this is the covid-19 based chatbot, which enables to automatically given the answers providing the datasets. I am using the Tk GUI toolkit for this project, this project will help people know about Covid-19 and how to protect themselves from this virus.(https://github.com/jahed2/chatbot)

❖ **Image processing using OpenCV**

image processing is the key concept for computer vision, this project I am using basic terms about image processing like RGB to gray and gray to RGB, plotting the histogram and CDF of the image, histogram equalization, histogram matching, and specifications, gamma correction, contrast enhancements.

❖ **New york city Accident data analysis**

Every year most people are injured or killed due to road accident, this project graphical data analysis accident occurred in a different city in new york and show the bar chart which city are more affected.(https://github.com/jahed2/machine-learning-/blob/main/motor_vehicle.ipynb)

Programming & Skills

Key Skills:
Programming Languages: Python, Java, C, JavaScript, PHP, Matlab.
Databases: MySQL, SQLite
Frameworks: Tensorflow, Django, android studio.
Library: numpy,pandas,matplotlib, scipy

For academic purposes as well as attending the programming contest, I experienced programming. I have implemented different kinds of data structure problems like a linked list, queue, stack, heap, and tree-based problem. I have also implemented different kinds of sorting and searching algorithms like insertion sort, quick sort, bubble sort, selection sort, binary search, linear search, and different types of greedy algorithm and dynamic programming.

Academic Results

BSc: Information and communication Engineering, "East West University, Dhaka-1212", Year: 2020, CGPA (2.84 Out of 4.00).
HSC: Group- Science, "Dhaka imperial college, Dhaka", Year: 2013, GPA (4.60 Out of 5.00).

Undergraduate Project List

❖ **Chatting application using java**
For this project, we are using java and android studio, which is online based chatting apps .this project have two pages one is the register page and another is the login page, when a user completes the registration page then log in to the apps, after completing this procedure he/she can chat each other.
❖ **Sentimental analysis using machine learning**
(https://github.com/jahed2/machine-learning-/blob/main/sentimental%20analysis.ipynb)
❖ **Fake email detection using python**
(https://github.com/jahed2/email_classification/blob/master/numpy.pdf)

Extra-curriculum Activities

Love to write blog on programming as well as technical topics, Working with Computer Programming Club of East West University (EWUCoPC) since the very first semester as programmer & volunteer (January 8, 2016 to Present). A proud member of Linux user community in Bangladesh.

References - 1

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References – 2

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