Aditya Gupta

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Education

Indian Institute of Information Technology, Allahabad *Prayagraj*

MTech in IT (Specialization in Human-Computer Interaction) Sep. 2021 - Jun. 2023

Noida Institute of Engineering and Technology *Greater Noida*

BTech in CSE Sep. 2015 - Jun. 2019

Technical Skills

Programming C, C++, SQL, Python

Subjects Data Structure, Algorithms, DBMS

Frameworks Tensorflow, Keras, Scikit

Softskills Leadership, Writing, Time Mangement

Experience

Indian Institute of Information Technology, Allahabad

Teaching Assistant

Conducted and Managed Technical Quizzes and Assessments for undergraduate students at IIIT-A.

Tata Consulatncy Services

IT Analyst

Performed a role as a data analyst to collect information on finance using the tool called MediSpend.

Projects

HUMAN AGE AND GENDER PREDICTION USING ENSEMBLE MODEL

January 2022 - June 2022

- Research oriented, open source, build an ensemble model for age and gender prediction
- To predict both simultaneously or we can depict it as building a single model with two heads one for age prediction and another one for gender prediction.
- Tech: Python, Tensorflow, Tkinter

EMOTION CLASSIFICATION USING GRU MODEL BASED ON DEAP DATASET

January 2022 - June 2022

- The emotion classification based on EEG signals has been mapped according to three main aspects first one is valence which measures the level of pleasantness, and the second is arousal which tells us about the intensity of excitement (excited to calm) and the last one is dominance which about stimulus.
- With the help of 1D-RNN model to execute emotion classification based on DEAP dataset, the model performance has shown high accuracy i.e., 92.83 based on nine emotion classifications: HVLA, HVMA, HVHA, MVLA, MVMA, MVLA, LVLA, LVMA, and LVHA. The model has shown tremendous achievement in achieving the extraction of features from EEG signals.

PREDICTING HANDWRITTEN DIGITS

January 2022 - June 2022

- Automatic Recognition of Digit written by a human.
- With the help of a pattern classifier using supervised learning, I have built the model architecture and trained the model to determine the digit pattern easily.
- The Convolutional neural network from Machine Learning can be used to recognise handwritten digits. The core structure of my project development is based on the MNIST database and CNN compilation.

Awards and Honors

Completed Bachelors of Technology with Honors Degree

Completed 12 Weeks of Certification Course on AI & ML with 7.5 CGPA - November 2020

GATE 2021 Scored 98.4 percentile