

PRATAP SINGHA

Seeking Data Scientist and ML Engineer role

@ singhapratap816@gmail.com

+91-9832945933

<https://www.linkedin.com/in/pratap-singha-b64-g56-htr34-bg429252>

<https://github.com/Pratap590>



EDUCATION

B.Tech in Computer Science

The Neotia University

July 2020 – Present

CGPA - 8.55/10.0 (Upto 6th Sem)

Akshaynagar Kumarnarayan Madhyamik Sikshayatan H.S.

Kakdwip, West Bengal

2018 – 2020

Percentage - 80%

WORK EXPERIENCE

Deep Learning Research Intern

Calcutta University Technology Campus

Jun 2023 – Nov 2023

Kolkata, West Bengal

- In this internship i am working with various type of images based on diseases and pests we can learn how to reprocessed the images how to reduce noise from images etc.
- In this internship i am working on different type of transfer learning models as well as custom models and compare with the accuracy and get the best one. And extracted contents to MySQL database.
- From the best model I got an accuracy of around 99%

Skills: Python Deep Learning Database Data Cleaning Image Processing

Artificial Intelligence and Machine Learning Intern

Ybi Foundation

Aug 2023 – Sep 2023

Remote

- In this internship I was able to learn the various types of machine learning algorithms and also work with some different type of library.
- Through this internship i can able to learn how to Handel huge amount of data and also how to reprocessed it.
- In this I can build some project like car prise prediction and various machine learning projects.

Skills: Python Deep Learning Machine Learning Pandas Numpy

RESEARCH EXPERIENCE

Semi-Supervised Disease and Pest Detection

AKCSIT, The University of Calcutta Technology Campus

Jun 2023 – Nov 2023

Kolkata, West Bengal

- Worked as a research intern at the University of Calcutta Technology Campus under the supervision of Dr.Himadri Nath Saha.
- Developed Deep Learning Model for Disease and pest Classification in Mung Bean and Mustered Plant and Achieved an accuracy of 99%.
- Successfully accepted for oral presentation at the ICSTA 2023 CONFERENCE.
- Successfully published in international conference.

Skills: Python Deep Learning TensorFlow Keras

PROJECTS

AI -Based mock interview evaluator

- It is a AI based mock interview project that can monitor the emotion and confidence level.
- In this project i implemented a huge amount of audio data and converted it into text format detect the confidence level.
- In this project i use human emotion detection data set to get the human emotion so that they improve the emotion in interviews.

Skills: Python NLP Transformers Keras TensorFlow Pandas NLTK

Mung bean and Mustered Disease and pest Recognition System

September 2023

- In this project I try to build a smart agricultural system so the farmer can easily detect the disease and pests.
- In this project I used various pre-trained models as well as custom models to get good accuracy and predict good results.
- Through this project I was able to learn how to pre-reprocess the images.

Skills: Python TensorFlow Numpy VGG16 Fine Tuning Pandas

TECHNICAL SKILLS

Programming Language: Python

C or C++ SQL Java

NLP & Deep Learning:

Generative Ai GANs

Transformers spaCy

Object Detection Face Recognition

GPT3 Hugging Face

Tools & Technology: Pandas

Numpy TensorFlow Git

Scikit-Learn PyTorch Jupyter

VS Code MongoDB MySQL

ACHIEVEMENTS

2nd in inter college debate computation

2022