PRANJAL DUBEY

SOFTWARE ENGINEER

Github - https://github.com/pranjaldub
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PROJECTS

AUGUST 2020

Head Pose Estimation and Facial Key Points Prediction on Masked Faces
- PyTorch implementation of Joint head pose estimation from facial key points on masked faces using Resnet50 , MTCNN ,DLIB , FaceNet Pytorch and OpenCV.
- Acheived 96% accuracy on realtime inference.

JULY 2020

Text Moderation and Sentiment Analysis
- Keras implementation of text moderation using Spacy and sentiment classification (binary and multi-class) using Long Short Term Memory with PlaidML and Tensorflow as backend.
- Sentence toxicity classification and Sentiment Analysis using LSTM and Vanilla RNN.
- Profane words detection using Spacy.
- Synonyms generation using NLTK python .

FEBRUARY 2021

Infosys Internship Project
- Activity portal for employees to enroll in different activities with updates via email. Extra functionallity included feedback moderation and sentiment prediction on a scale of +10 to -10 using Natural Language Processing .
- Backend implementation using MSSQL , C Sharp , Entity Framework Core and ASP.NET .
- Frontend implementation with Angular 9 , Typescript , HTML5 , CSS3 and Bootstrap4 .

MAY 2021

GPT3 Email Generation
- Automatic Email Generator using OpenAI's pretrained model GPT3
- Backend implementation in Python Flask and FastAPI on Google Colab
- Frontend implementation using Angular 9 , Ionic 4 , HTML5 and Bootstrap4

EXPERIENCE

FEBRUARY – MAY 2021

System Engineer Trainee
Infosys – Mysore

Activity portal for employees to enroll in different activities with updates via email. Extra functionallity included feedback moderation and sentiment prediction on a scale of +10 to -10 using natural language processing .
Tech Stack :
MSSQL , C Sharp , EF Core , ASP.NET , Angular 9 , Typescript , HTML5 , CSS3 , Bootstrap, Python , Natural Language Processing

APRIL – JUNE 2020

Research Intern
Indian Institute of Technology - Kanpur

Face Detection and Face mask classification Description: Multiple face detection and mage classification on masked/unmasked faces in a real-time environment.
Tech Stack :
Python , Pytorch , Image processing , OpenCV , Numpy

MARCH 2020

NLP Intern
UniConverge Technologies - Remote

State-of-the-art model for toxic comment classification using Deep learning.
Tech Stack :
Python , Natural Language Processing , Keras , Pandas

EDUCATION

Galgotias University - 2017 – 2021

B.Tech in CSE [7.8 CGPA]

Specialization in Artificial Intelligence and Machine Learning

SKILLS

Frontend	Backend	Machine Learning	Languages
● Angular 2+	● SQL Server	● Numpy	● Python
● ReactJS	● EF Core	● Pandas	● Typecript
● HTML5	● ASP.NET Core	● Scikit Learn	● Javascript
● CSS3	● Flask	● Keras	● C Sharp
● Animate.css	● FastAPI	● Pytorch	
● Bootstrap4		● Matplotlib	