Gedela Aditya

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Education

- Indian Institute of Information Technology, Sricity, Chittoor — Apr 2019
  B.Tech(Hons in Computer Vision) in Electronics and Communication Engineering — CGPA – 8.53
- Sri Chaitanya Junior College, Kakinada — May 2015
  Class XII — 96.2%
- Sri Chaitanya Techno School, Rajahmundry — May 2013
  Class X — CGPA - 9.5

Experience

August 2021 – Present

Associate Data Scientist | Entropik Tech | Chennai

- Working on multi face emotion detection involving face detection, emotion recognition and face recognition for the given video conference recordings.

January 2020 – July 2021

Data Scientist (NLP) | Stride.ai | Bengaluru

- Worked mainly on projects involving document information extraction and table extraction using heuristics-based methods and ML models. Worked as the main developer for the POCs for different customers like SG Paris, FMG Australia, Nasdaq, and Production projects for customers like TradeLanes, Natixis.

- Best performer of the Quarter Jul-Sept 2020

June 2019 – December 2019

Data Scientist | Merak.ai | Bengaluru

- Worked mainly on the projects information extraction from passport images and hand written text recognition . Some other tasks/projects involves Object Detection, Classification, Generation of fake data for the fields in some form.

Deep Learning Intern | Tessact | Mumbai

- Developed a ML model to identify the scenes/shots in a cricket video stream. Some examples of the different scenes are crowd focus, batsman focus, bowler runup.

Projects

Tradelanes - Production

The objective of this project is to extract 18 datapoints like Drawee Bank Name, Issuing Bank Address in the given document. Used different types of features like Heuristics of Content, Page related information, bbox related information to train classification models XGB for each datapoint.

Societe Generale, Paris - POC

The objective of this project is to extract amortization table in the given French documents, present in page(s) with columns like Loan Amount, Interest Date and some meta datapoints like Bank Name, Loan Insurance Type.

Natixis, France - Production

The objective of this project is building Know Your Customer (KYC) application consisting of 3 modules Board of Directors, Auditors and Shareholders present in an annual report. The financial institutions cover from APAC countries like Singapore, UK, China and US. Trained NER models to identify Names and Designations.

Human Activity Anticipation in Egocentric Videos

https://github.com/aditya7874/Activity-Prediction-in-EgoCentric-Videos

The objective of this project is to predict what will happen next for the given part of an egocentric video(first-person video). For the given 2 short snippets of the same video, the model outputs the correct temporal order.

Activity Recognition in Egocentric Videos

https://www.researchgate.net/publication/331987453_Activity_Recognition_in_Egocentric_Videos_Using_Bag_of_Key_Action_Units

The main aim is to recognize the current on-going activity in the given video. We have developed a novel approach by extending the Bag of Visual Words Model, also based on the assumption that only a portion of the video can be sufficient to identify an action.

Hand Gesture Recognition

https://github.com/aditya7874/Hand-Gesture-Recognition

Hand gestures taken from the live camera are recognized using the MATLAB. These hand gestures represent different letters in the English ALphabet using American Sign Language.

Software Skill Sets

- **Languages** : Python
- **Frameworks** : Tensorflow, Keras, Sklearn, MATLAB
- **Software/Libraries** : OpenCV, Numpy, Pandas, Matplotlib
- **Operating System** : Ubuntu, Windows

Relevant Courses/Training

Linear Algebra	Data Structures
Digital Image Processing	Algorithms
Computer Vision	Data Mining
Deep Learning	Machine Learning

Academic Achievements & Co-curricular activities

- **Published** – "Activity Recognition in Egocentric Videos Using Bag of Key Action Units" at Proc. of **ICVGIP 2018**, IIIT Hyderabad.
- Been in the **Dean's List** for academic achievement.
- **Teaching Assistant** for the courses **Programming in C, Digital Electronic Circuits, Computer and Communication Networks.**
- **Coordinator** – **Research Expo 2015** at IIIT Sricity.
- **Winner** - **Crime Scene Investigation** held in the Cultural Fest **Abhisarga 2018**.

Social Profile

- **Github** - https://github.com/aditya7874
- **Linkedin** - https://www.linkedin.com/in/aditya-gedela-3324ba110/