

## PROJECTS AND ACHIEVEMENTS:

### PROJECTS:

- **Football Analysis (Upstar):** Using YOLO and Mediapipe to calculate advanced football metrics such as Speed, Time and accuracy of the shot to the goal post. In Upstar, There are five different features named as Speed, Agility, Parcour, Scorer and 20 Shots with wall. In Agility, Parcour and 20 Shots with wall, time is calculated and the minimum time is set as the benchmark. While in scorer accuracy is calculated using the distance between the ball and the goal post and in the last feature, Speed is calculated using a fixed distance.
- **Email Automation:** Combining the power of SMTP and IMAP library to automate the working of sales and marketing department for lead generation. This Project includes follow up feature which automatically sends email to the users who didn't reply to the specific email.
- **PPE Detection:** Using the power of YOLO for the detection of Personal Protective Equipment with Deepsort for accurate tracking of the person and the counting of individuals in the Region of interest.
- **LabLab.AI Llama Hackathon:** This project leverages the Clarif AI platform, integrated with the Llama 2 chat model and Langchain framework. This solution accepts YouTube video URLs as input, transcribes the video's audio content, and then utilizes Langchain's prompt template capabilities with Llama 2 to engage in meaningful conversations based on the video's content.

### PARTICIPATED IN:

- **Hackerrank(Python):** Successfully completed coding challenges on Hackerrank. Currently, standing in top 100 candidates in Pakistan.
- **Codebit:** Collaborated with a team of three members to perform coding on multiple problem statement. Ranked 11th in total of 45 teams.

### CERTIFICATIONS AND COURSES:

- **Machine Learning Specialization ( Stanford University ) :** A Fundamental Introduction to the concepts of machine learning, which includes regression, classification and clustering.
- **Introduction to Tensorflow ( Udacity ) :** This course focused on implementation of different types of neural networks and transfer learning on the pretrained neural networks.
- **Crash course on Python (Google):** Gain a foundational understanding of Python Syntax and different concepts including list, dictionaries and OOP's Concept.
- **Image Processing and Computer Vision ( Bleed AI ):** Basic Comprehension of Open Souce Library (OpenCV) which provides functions for various computer vision tasks which contains reading and writing of images and videos, Image Transformation, detecting specific objects and feature detection.

## ABOUT ME:

A result-oriented individual to create a difference. "Micro" Detail-Oriented when it comes to work, loves collaborative project works which produce impact. Relentless, creative, and quick with proven analytical ability. Career Interest: To work with creative and ambitious people who share the same purpose of creating something great.

## PROFESSIONAL EXPERIENCE:

- **Engineer—AI**  
Tezeract | July, 23— Present
- **Intern —AI**  
Tezeract | Apr, 23 - Jun, 23
- **Intern — ML Intern**  
The Disrupt Labs | Dec, 22 - Apr, 23

## Education:

- **2019~ Present: Bachelor's Degree Computer Science**  
UBIT (Karachi University)  
CGPA: 3.2

## SKILLS

TENSORFLOW	●●●●●●●●
MEDIAPIPE	●●●●●●●●
LANGCHAIN	●●●●●●●●
OPENCV	●●●●●●●●
FASTAPI	●●●●●●●●

