PROJECT DOCUMENTATION

CODECLAUSE INTERNSHIP

Project ID - #CC3599
Project Title - Tic-Tac-Toe AI
Internship Domain - Artificial Intelligence Intern
Project Level - Entry Level
Assigned By- CodeClause Internship
Assigned To- Ambika Prasad

Start Date - 01 Jun 2024	**End Date -** 30 Jun 2024

Project Details-

Aim -

Develop a simple AI to play the game of Tic-Tac-Toe.

Description-

Create a program that allows a user to play against an AI opponent in the game of Tic-Tac-Toe. Implement basic logic for the AI to make strategic moves.

Technologies-

Python
You can use other technologies that you know.

What You Learn-

Basic game AI, decision-making algorithms, and user input handling.

Project ID - #CC3600
Project Title - Object Detection System
Internship Domain - Artificial Intelligence Intern
Project Level - Intermediate Level
Assigned By- CodeClause Internship
Assigned To- Ambika Prasad

Start Date - 01 Jun 2024	**End Date -** 30 Jun 2024

Project Details-

Aim -

Develop a system that can detect and classify objects in images or video streams.

Description-

Create an object detection model capable of identifying and locating multiple objects within an image or video. Utilize a pre-trained model such as YOLO (You Only Look Once) or Faster R-CNN, and customize it to detect specific objects of interest.

Technologies-

Python, TensorFlow or PyTorch, OpenCV
You can use other technologies that you know.

What You Learn-

Object detection algorithms, model integration, real-time image processing.

Project ID - #CC3601
Project Title - Personality Prediction System via CV Analysis
Internship Domain - Artificial Intelligence Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Ambika Prasad

Start Date - 01 Jun 2024	**End Date -** 30 Jun 2024

Project Details-

Aim -

Develop an AI-driven system that predicts an individual's personality traits by analyzing their Curriculum Vitae (CV) or resume.

Description-

This project aims to create a sophisticated personality prediction system that utilizes natural language processing (NLP) and machine learning techniques to analyze the textual content of CVs. The system will extract relevant information from resumes, such as educational background, work experience, skills, and achievements. By employing sentiment analysis, linguistic pattern recognition, and personality trait models, the system will predict personality characteristics like extroversion, conscientiousness, openness, agreeableness, and neuroticism.

Technologies-

Python, OpenCV, Deep reinforcement learning frameworks
You can use other technologies that you know.

What You Learn-

Computer vision, reinforcement learning.

Project ID - #CC3602
Project Title - Gesture Recognition System
Internship Domain - Artificial Intelligence Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Ambika Prasad

Start Date - 01 Jun 2024	**End Date -** 30 Jun 2024

Project Details-

Aim -

Develop a system that recognizes hand gestures from a video stream or camera feed.

Description-

Use deep learning techniques to train a model capable of recognizing a variety of hand gestures, potentially for controlling devices or interacting with virtual environments.

Technologies-

Python, OpenCV, TensorFlow/Keras, Convolutional Neural Networks (CNNs).
You can use other technologies that you know.

What You Learn-

Computer vision, Computer Vision, Video Processing, Keras, Tensorflow.

Instructions-

1. There are no technology restrictions for project development. You are free to use any technology you are familiar with..

2. Ensure timely submission of projects before the deadlines.

3. There are no restrictions on completing entry-level and intermediate projects.

4. Avoid copying and pasting code. Be original in your submissions.

5. Upon completion, submit your all projects on app.internship.codeclause.com.

Eligibility Criteria:

1. Completion of one project makes you eligible for a certificate.

2. Completion of two projects (entry-level and intermediate) qualifies you for a certificate and Letter of Recommendation (LoR).

3. Completion of two projects (entry-level and intermediate) with one golden project makes you eligible for swags verification.

4. It only eligibles to you for swags verification it doesn't means that you are eligible for swags.

5. There are two golden projects you need to do any of them.

6. There is not technology restrictions for projects.

7. If project found copied then you are eligible for swgas.

8. If golden project needs to be dynamic and proper working.

9. Console based projects are not eligible for swags. Proper Ui is required to eligible for swags.

10. Needs to post video of demo of golden project on LinkedIn and it should includes only the output of project no need to share the code.