



{ Code Clause };

PROJECT DOCUMENTATION

CODECLAUSE INTERNSHIP

Project ID - #CC3591
Project Title - Sentiment Analysis
Internship Domain - Artificial Intelligence Intern
Project Level - Entry Level
Assigned By- CodeClause Internship
Assigned To- Prabha Haran S

Start Date - 01 Nov 2024	End Date - 30 Nov 2024
---------------------------------	-------------------------------

Project Details-

Aim -

Create a sentiment analysis tool that determines the sentiment (positive, negative, neutral) of a given text.

Description-

Use sentiment analysis libraries or APIs (e.g., TextBlob) to analyze the sentiment of a text. Implement it on user-provided sentences or reviews.

Technologies-

Python, TextBlob or other sentiment analysis libraries
You can use other technologies that you know.

What You Learn-

Sentiment analysis, working with text data, and using pre-built models.

Project ID - #CC3592
Project Title - Handwritten Digits Recognition
Internship Domain - Artificial Intelligence Intern
Project Level - Intermediate Level
Assigned By- CodeClause Internship
Assigned To- Prabha Haran S

Start Date - 01 Nov 2024	End Date - 30 Nov 2024
---------------------------------	-------------------------------

Project Details-

Aim -

Recognize handwritten digits.

Description-

Build a system that can recognize sequences of handwritten digits.

Technologies-

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

What You Learn-

sequence recognition, time-series data.

Project ID - #CC3593
Project Title - Autonomous Drone Navigation
Internship Domain - Artificial Intelligence Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Prabha Haran S

Start Date - 01 Nov 2024	End Date - 30 Nov 2024
---------------------------------	-------------------------------

Project Details-

Aim -

Build an AI system that enables a drone to navigate autonomously, avoiding obstacles and reaching predefined destinations.

Description-

Implement computer vision algorithms for object detection, SLAM (Simultaneous Localization and Mapping), and reinforcement learning for decision-making.

Technologies-

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

What You Learn-

Computer vision, reinforcement learning.

Project ID - #CC3594
Project Title - Gesture Recognition System
Internship Domain - Artificial Intelligence Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Prabha Haran S

Start Date - 01 Nov 2024	End Date - 30 Nov 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.