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PROJECT DOCUMENTATION

CODECLAUSE INTERNSHIP

Project ID - #CC69859
Project Title - Predicting House Prices
Internship Domain - Data Science Intern
Project Level - Entry Level
Assigned By- CodeClause Internship
Assigned To- Suraj Chothe

Start Date - 01 Jul 2024	End Date - 30 Jul 2024
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Project Details-

Aim -

Build a simple linear regression model to predict house prices based on features like the number of bedrooms and square footage.

Description-

Use a dataset of house prices, split it into training and testing sets, and build a regression model using Scikit-learn.

Technologies-

Python, Pandas, Scikit-learn.
You can use other technologies that you know.

What You Learn-

Introduction to regression modeling and prediction.

Project ID - #CC69860
Project Title - Customer Lifetime Value Prediction
Internship Domain - Data Science Intern
Project Level - Intermediate Level
Assigned By- CodeClause Internship
Assigned To- Suraj Chothe

Start Date - 01 Jul 2024	End Date - 30 Jul 2024
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Project Details-

Aim -

Predict the lifetime value of customers for a business based on their historical interactions.

Description-

Apply regression techniques to estimate the future value that a customer will bring to the business.

Technologies-

Python, Pandas, Scikit-learn.
You can use other technologies that you know.

What You Learn-

Regression modeling for predicting customer lifetime value.

Project ID - #CC69861
Project Title - Customer Segmentation Tool
Internship Domain - Data Science Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Suraj Chothe

Start Date - 01 Jul 2024	End Date - 30 Jul 2024
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Project Details-

Aim -

Develop a UI for users to input customer data. Use clustering algorithms to segment customers based on behavior.

Description-

Design a UI for customer data input and apply clustering (e.g., K-Means) to categorize customers.

Technologies-

Python, Flask or Streamlit for UI, Scikit-Learn for machine learning
You can use other technologies that you know.

What You Learn-

UI for customer data input, clustering techniques, customer segmentation.

Project ID - #CC69854
Project Title - Crop Disease Identification
Internship Domain - Data Science Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Suraj Chothe

Start Date - 01 Jul 2024	End Date - 30 Jul 2024
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Project Details-

Aim -

Build a UI for farmers to upload images of crops. Develop a deep learning model to identify diseases in crops.

Description-

Enable image upload through a UI, and use CNNs for identifying crop diseases from images.

Technologies-

Python, Flask or Django for UI, TensorFlow or PyTorch for deep learning. You can use other technologies that you know.

What You Learn-

UI for agricultural applications, deep learning for image recognition.

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. Collab or Jupyter files are accepted.
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, Collab files, Jupyter files 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.