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PROJECT DOCUMENTATION

CODECLAUSE INTERNSHIP

Project ID - #CC69853
Project Title - Customer Segmentation with K-Means Clustering
Internship Domain - Data Science Intern
Project Level - Entry Level
Assigned By- CodeClause Internship
Assigned To- Jahnvi Gadipudi

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

Aim -

Apply K-Means clustering to segment customers based on their purchase behavior.

Description-

Use a customer purchase dataset to identify distinct segments using the K-Means clustering algorithm.

Technologies-

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

What You Learn-

Basics of unsupervised learning and clustering.

Project ID - #CC69852
Project Title - Demand Forecasting for a Retail Store
Internship Domain - Data Science Intern
Project Level - Intermediate Level
Assigned By- CodeClause Internship
Assigned To- Jahnavi Gadipudi

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

Aim -

Develop a time series forecasting model to predict the demand for products in a retail store.

Description-

Use historical sales data to forecast future demand, considering seasonality and trends.

Technologies-

Python, Pandas, Statsmodels.
You can use other technologies that you know.

What You Learn-

Time series forecasting, dealing with seasonality.

Project ID - #CC69851
Project Title - Crop Disease Identification
Internship Domain - Data Science Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Jahnavi Gadipudi

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.

Project ID - #CC69850
Project Title - Movie Recommendation System
Internship Domain - Data Science Intern
Project Level - Golden Level
Assigned By- CodeClause Internship
Assigned To- Jahnvi Gadipudi

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

Aim -

Develop a UI where users can input movie preferences. Implement a recommendation system and display movie suggestions.

Description-

Create a user-friendly movie preference input UI and apply collaborative filtering for recommendations.

Technologies-

Python, Streamlit or Django for UI, collaborative filtering algorithms. You can use other technologies that you know.

What You Learn-

UI design for recommendation systems, collaborative filtering.

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.