{Code Clause};

PROJECT DOCUMENTATION
CODECLAUSE INTERNSHIP

Project ID – #CC69855	
Project Title – Exploratory Data Analysis (EDA) on Iris Dataset	
Internship Domain – Data Science Intern	
Project Level – Entry Level	
Assigned By– CodeClause Internship	
Assigned To– Souvik Dhawya	

Start Date – 01 Feb 2024	**End Date –** 01 Mar 2024

Project Details–

Aim –

Conduct exploratory data analysis on the famous Iris dataset to understand its characteristics and relationships between features.

Description–

Use libraries like Pandas, Matplotlib, and Seaborn to visualize patterns, distributions, and relationships in the Iris dataset.

Technologies–

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

What You Learn–

Gain proficiency in data visualization and basic data manipulation using Pandas.

Project ID – #CC69856
Project Title – Predicting Employee Attrition
Internship Domain – Data Science Intern
Project Level – Intermediate Level
Assigned By– CodeClause Internship
Assigned To– Souvik Dhawya

Start Date – 01 Feb 2024	End Date – 01 Mar 2024

Project Details–

Aim -

Develop a model to predict the likelihood of employee attrition in a company.

Description–

Utilize HR data to build a classification model that predicts whether an employee is likely to leave the company.

Technologies–

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

What You Learn–

Advanced classification techniques, feature engineering for HR analytics.

Project ID – #CC69857
Project Title – Parkinson's Disease Detection
Internship Domain – Data Science Intern
Project Level – Golden Level
Assigned By– CodeClause Internship
Assigned To– Souvik Dhawya

Start Date – 01 Feb 2024	**End Date –** 01 Mar 2024

Project Details–

Aim -

Create a UI where users can input relevant parameters, and the system predicts the likelihood of Parkinson's disease using a machine learning model.

Description–

Design a user-friendly interface allowing users to input features like tremors, voice recordings, etc., for accurate disease detection.

Technologies–

Python, Flask/Django for UI, Machine Learning for Parkinson's prediction
You can use other technologies that you know.

What You Learn–

UI development, feature engineering for medical data, binary classification.

Project ID – #CC69858
Project Title – Heart Disease Risk Assessment
Internship Domain – Data Science Intern
Project Level – Golden Level
Assigned By– CodeClause Internship
Assigned To– Souvik Dhawya

Start Date – 01 Feb 2024	**End Date –** 01 Mar 2024

Project Details–

Aim -

Build a UI allowing users to input health metrics. Develop a machine learning model to predict the risk of heart disease.

Description–

Create a user-friendly interface for inputting health data and implement a model (e.g., Random Forest) for risk assessment.

Technologies–

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

What You Learn–

UI design for health applications, cardiovascular risk factors, classification

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.