Ganna Taher

AI Engineer

An AI Engineer in Intellegent Systems Engineer

ASSESSMENT 1

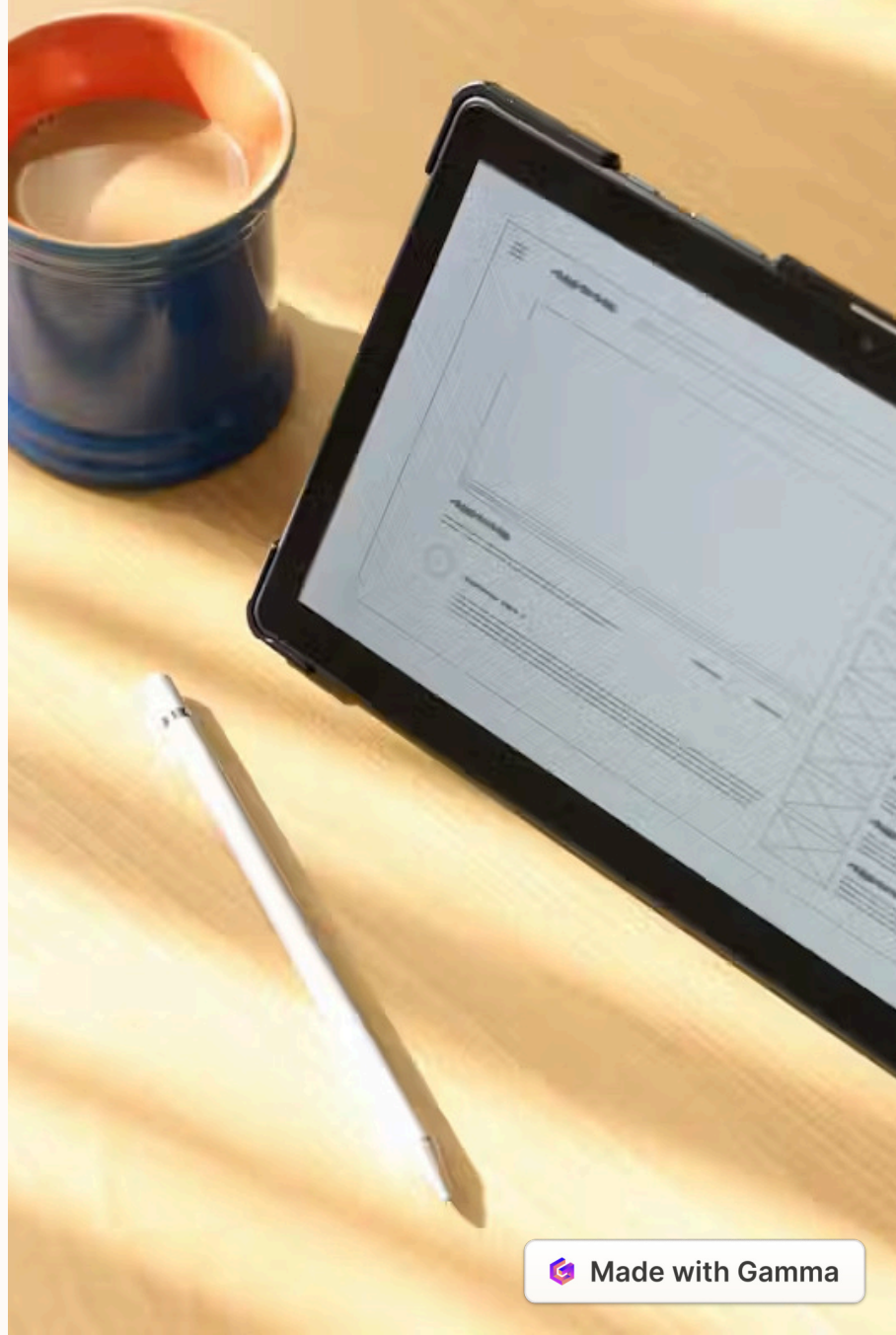
Work on Classification Task on Data with it Loading , Visualation , Evaluation , Preprocessing and Preformance .

```
    y = data.iloc[:,-1]

    X_train, X_test, y_train, y_test = train_test_split(X, y,
    test_size=0.4)

    model = LinearRegression()

    model.fit(X_train, y_train)

    predictions = model.predict(X_test)

    mse = mean_squared_error(y_test, predictions)
    print("Mean Squared Error:", mse)

Mean Squared Error: 0.2535167134935683

... import matplotlib.pyplot as plt
    from matplotlib import pyplot
    from sklearn.ensemble import RandomForestClassifier
    from sklearn.metrics import
    confusion_matrix,accuracy_score,precision_score,recall_scor
    e,f1_score,classification_report,roc_curve

    rf_classifier = RandomForestClassifier(n_estimators=100)
```

PDF file

assignment.pdf

70.8 KB



PROJECT 2

Work on Regression on Data with it Loading , Visualation , Evaluation , Preprocessing and Preformance.

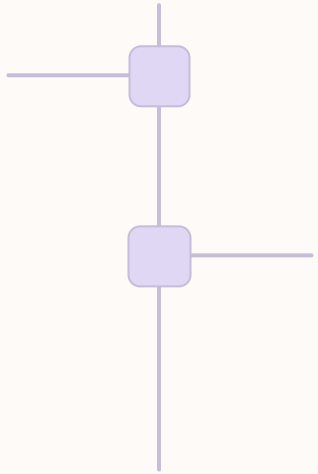
In [3]:

```
import pandas as pd
import matplotlib.pyplot as plt
from sklearn.metrics import mean_squared_error
from sklearn.linear_model import LinearRegression
from sklearn.model_selection import train_test_split

data = pd.read_csv('test.csv')

X = data.iloc[:,:-1]
y = data.iloc[:,-1]

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.4)

model = LinearRegression()

model.fit(X_train, y_train)

predictions = model.predict(X_test)

mse = mean_squared_error(y_test, predictions)
print("Mean Squared Error:", mse)
```

```
Mean Squared Error: 0.2535167134935683
```

Experience & Expertise

Student at the Faculty of Artificial Intelligence



Junior Researcher at DEPI, working on projects related to Microsoft Machine Learning technologies

About Me

AI Student in Facualty of Artifical Intellegent Monoufia University ,take course of machine learning in facualty and offline in DEPI, work on many projects related to machine learning and deep learning use advanced method to implement projects like MLflow .

Contact me

If you have any questions about my work, want to collaborate on a project, or just say hello, feel free to reach out. Always excited to connect with fellow designers, entrepreneurs, and product enthusiasts.

Email me