MACHINE LEARNING

CodSoft
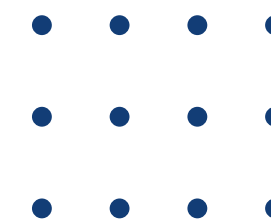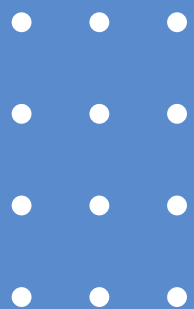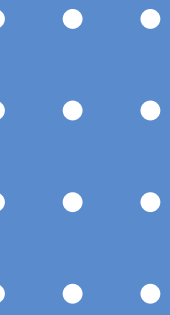
ABOUT US

CODSOFT is a vibrant and diverse community that brings together individuals with similar objectives and ultimate goals. Our main focus is on creating opportunities that span various areas, including leadership development, learning, student engagement, and fostering shared interests.

We believe in the power of leadership and its ability to drive positive change. That's why we provide platforms and resources for our community members to develop their leadership skills. Through mentorship programs, workshops, and collaborative projects, we empower individuals to take on leadership roles and make a difference in their respective fields.

INSTRUCTIONS

Update your LinkedIn profiles

- For the machine learning internship, you will need to complete **at least 3 tasks** for successful completion of the internship.

- Maintain a separate GitHub repository(name as **CODSOFT** for all the tasks and share the link of the GitHub repo in the task submission form(it will be given later through email).

- You can refer to online resources such as Google Search and read tutorials. Watch videos(For Help).

SUBMISSION

- A **TASK SUBMISSION FORM** will be shared later through email. Till then please continue your task.

- A video need to be created to showcase your work, a demo of your effort.

- For the machine learning internship, you will need to complete **at least 3 tasks** for successful completion of the internship.

- The video can be hosted on LinkedIn for proof of your work and to build credibility among your peers. You can tag **@CODSOFT** in such posts.

- Please add **#codsoft** in each of your task video postings on LinkedIn, Additionally, you can also add hashtags such as #internship #webdevelopment. for more reach and visibility
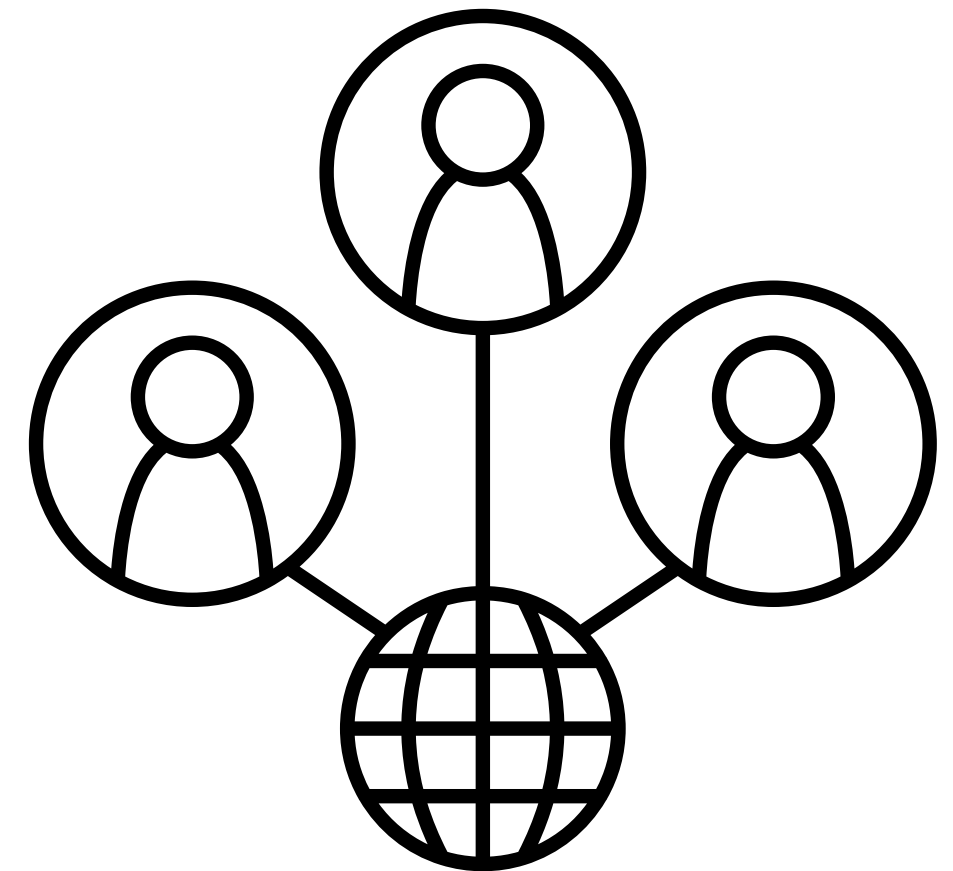
ABOUT THE INTERNSHIP

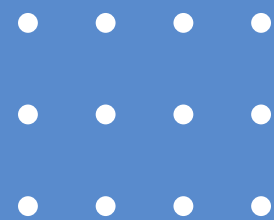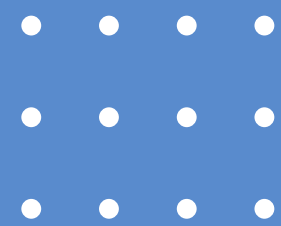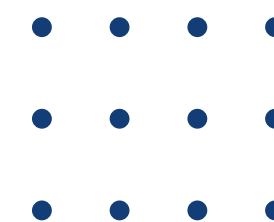COMPLETION CERTIFICATE

PLACEMENT SUPPORT

NETWORK OPPORTUNITY

MACHINE LEARNING

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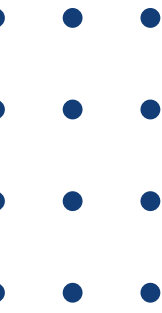
TASK 1

MOVIE GENRE CLASSIFICATION

Create a machine learning model that can predict the genre of a movie based on its plot summary or other textual information. You can use techniques like TF-IDF or word embeddings with classifiers such as Naive Bayes, Logistic Regression, or Support Vector Machines.
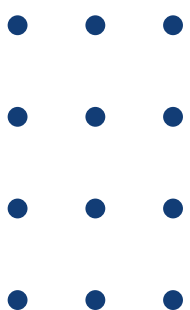
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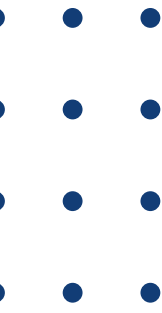
TASK 2

CREDIT CARD FRAUD DETECTION

Build a model to detect fraudulent credit card transactions. Use a dataset containing information about credit card transactions, and experiment with algorithms like Logistic Regression, Decision Trees, or Random Forests to classify transactions as fraudulent or legitimate.
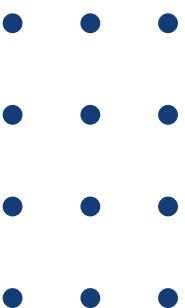
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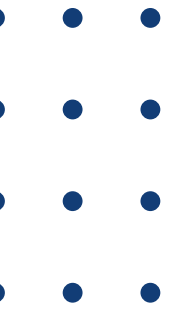
CUSTOMER CHURN PREDICTION

Develop a model to predict customer churn for a subscription-based service or business. Use historical customer data, including features like usage behavior and customer demographics, and try algorithms like Logistic Regression, Random Forests, or Gradient Boosting to predict churn.
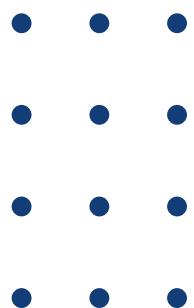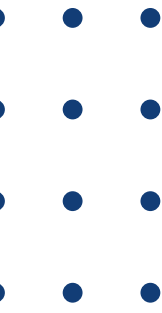
DATASET CLICK HERE

TASK 4

SPAM SMS DETECTION

Build an AI model that can classify SMS messages as spam or legitimate. Use techniques like TF-IDF or word embeddings with classifiers like Naive Bayes, Logistic Regression, or Support Vector Machines to identify spam messages

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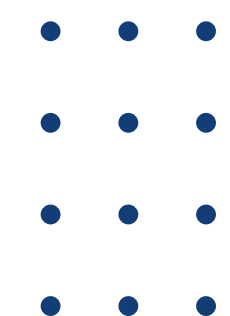
HANDWRITTEN TEXT GENERATION

Implement a character-level recurrent neural network (RNN) to generate handwritten-like text. Train the model on a dataset of handwritten text examples, and let it generate new text based on the learned patterns.

DATASET   CLICK HERE

DATASET   CLICK HERE

DATASET   CLICK HERE

(choose any one set)

| TASK 1 | DATASET | **DATASET** |
| MOVIE GENRE CLASSIFICATION | | CLICK HERE |

| TASK 2 | DATASET | CLICK HERE |
| CREDIT CARD FRAUD DETECTION | | |

| TASK 3 | DATASET | CLICK HERE |
| CUSTOMER CHURN PREDICTION | | |

| TASK 4 | DATASET | CLICK HERE |
| SPAM SMS DETECTION | | |

| TASK 5 | DATASET | CLICK HERE |
| HANDWRITTEN TEXT GENERATION | | |

ASK US FOR HELP!

- THE PURPOSE OF THIS INTERNSHIP IS TO LEARN AND GROW.

- *We have no desire to dictate to you. It is entirely up to you whether you seek guidance or not.*

- The given tasks may seem very easy or very difficult. We expect you to approach the tasks with professional diligence and give them the attention they deserve."

GET SOCIAL WITH US

🌐 www.codsoft.in

contact@codsoft.in

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