

MACHINE LEARNING INTERNSHIP



ABOUT US

Codeway is a dynamic and inclusive community that unites people with common aspirations and goals. Our primary aim is to generate opportunities across various domains, including leadership growth, educational advancements, student involvement, and nurturing mutual interests.

We hold a strong belief in the transformative power of leadership and its role in bringing about positive change. To support this, we offer platforms and resources designed to help our community members enhance their leadership abilities. Through initiatives like mentoring schemes, interactive workshops, and joint ventures, we enable individuals to assume leadership positions and create an impact in their areas of expertise.

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**.
- If you complete **5 tasks your chances get high to an extended internship with stipends**. The code must be unique and don't copy the code.
- Maintain a **separate GitHub repository**(name **CODEWAY** 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, 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 build credibility among your peers.You can tag **CODEWAY** in such posts..
- Please add #codeway in each of your task video postings on LinkedIn, Additionally, you can also add hashtags such as **#internship #MachineLearning**. for more reach and visibility.

ABOUT THE INTERNSHIP



COMPLETION CERTIFICATE



PLACEMENT SUPPORT



NETWORKING



MACHINE LEARNING

TASK LIST

For the Machine Learning internship, you will need to complete at least 3 tasks for successful COMPLETION OF THE INTERNSHIP.

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.**

[Dataset: Click Here](#)

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.**

[Dataset : Click here](#)

TASK - 3

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

[Dataset : Click here](#)

TASK - 5

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

Choose any one dataset

ASK FOR HELP!!!

1. THE PURPOSE OF THIS INTERNSHIP IS TO **LEARN AND GROW**
2. We have no desire to dictate to you. It is entirely up to you whether you seek guidance or not.
3. 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.**

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