



Internship Program



Company Background

Syntecxhub is a forward-thinking company that bridges learning with practical experience. We provide internship projects across exciting fields like **Web Development, UI/UX Design, Frontend & Backend Development, Data Science**, and more, helping students gain real-world skills.

Our internships offer mentorship, hands-on tasks, and exposure to live projects, enabling students to enhance their knowledge, build confidence, and prepare for successful careers.



MACHINE Learning



Instructions

- Share your internship status on **LinkedIn** and mention **@Syntecxhub**.
- Upload your **entire source code** to **GitHub**, creating a repository named: **Syntecxhub_Project_Name**.
- You will receive **weekly tasks** that must be completed and submitted via the **Submission Form** within the given time.
- **you are required to complete at least one project.** Completing **multiple projects** is optional but **highly encouraged**, as it **demonstrates initiative and a deeper interest in learning**.



Project - 1

Customer Segmentation

- Use a customer dataset (Mall Customers or similar), clean & scale features.
- Use elbow method to choose k, apply K-Means and visualize clusters.
- Profile clusters (age, spending score) to derive marketing actions.
- Save cluster labels and create short report per segment.

 **Example : Link 1, Link 2**



Project - 2

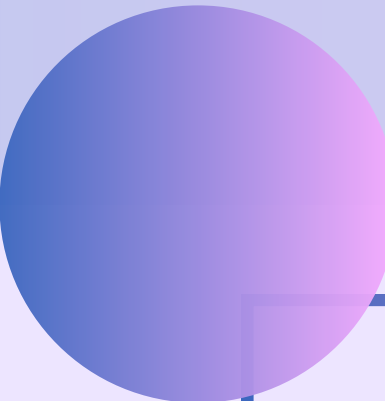
Credit-Card Fraud Detection

- Explore the imbalanced fraud dataset, do EDA and visualize class imbalance.
- Apply sampling approaches (undersampling / oversampling / SMOTE) as needed.
- Train a Random Forest / XGBoost model and evaluate with precision, recall, ROC-AUC.
- Discuss tradeoffs (precision vs recall) and present business decision thresholds.

 **Example : Link 1, Link 2**



Submission Details

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- Each task consists of **three projects**. Every intern is **required to complete and submit at least one project** from each task.

- Completing all assigned weekly tasks is **mandatory** to successfully finish the internship. If an intern fails to complete the required projects, the internship will be considered **incomplete**, and the **certificate will not be issued**.

- Please ensure that all completed projects are submitted through the official **Submission Form** to confirm your **successful participation in the internship program**.



Thank You.

Get In Touch With Us



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