



WEEKLY REPORT

Student ID: D24DCE147	Student Name: Nevil Dhinoja
From Date: 18 TH May	To Date: 24 TH May
Semester: 5	Internship ID:

Work done in 1ST week – 18th may to 24th may:

1. **Orientation & Introduction** - Attended onboarding sessions and interacted with the Arocom team.- Understood the company's work culture, ongoing projects, and client expectations.- Discussed the scope and requirements of the internship project.

2. **Research & Problem Understanding** - Conducted detailed research on the project: "No-Code Machine Learning Model Builder".- Explored tools such as Streamlit, KNIME, Teachable Machine, and Hugging Face Spaces.- Identified the gaps in current no-code tools and defined the unique value proposition of the project.

3. **Project Initialization** - Finalized the architecture: modules for data upload, preprocessing, model selection, training, evaluation, and export.- Set up the environment with Python, Streamlit, and Git for version control.- Started prototyping basic UI with Streamlit and implemented initial layout structure.- Created roadmap with milestone-based progress tracking

- **Practically Working Output**

- Initial Streamlit App Created: Users can upload CSV datasets through a file uploader UI.
- Data Preview: The uploaded dataset is displayed in tabular format with column headers.
- Basic Statistics Module: Displays number of rows, columns, and missing value counts.

- Data Cleaning Preview: User can drop columns with missing values via checkbox controls.
- ML Model Selection (Stub): UI created for choosing between Logistic Regression, Decision Tree, or KNN (functionality to be added in Week 2)
- **Skills & Tools Used**
 - Languages & Libraries: Python, Pandas, Scikit-learn, Streamlit.
 - Tools: GitHub (version control), Jupyter Notebook (experimentation), VS Code (IDE).
 - Platforms: Google Colab (data testing), Streamlit local server.
- **Outcomes & Learnings**
 - Understood the UI design and functional workflow of a no-code ML tool.
 - Implemented first working version of dataset ingestion and preprocessing UI.
 - Learned modular development using Streamlit for quick deployment and testing.

Plans for next week:

1. Complete ML model selection logic and training output display.
2. Implement train-test split functionality and evaluation metrics (accuracy, precision, recall).
3. Add model download/export capability (Pickle format).
4. Begin deployment testing on Streamlit Cloud (free hosting).

References:

- Streamlit. - Github. - Hands On Machine Learning.



Signature of External Guide

Signature of Internal Guide