

2. Build and Train a Simple Machine Learning Model:

o Description: Implement a basic ML model (e.g., linear regression, decision tree) and evaluate its performance.

o Why: Learning how to implement and evaluate models is foundational to ML.

o Tasks:

- Select an appropriate supervised learning algorithm for the dataset.
- Split the data into training and test sets.
- Train the model and evaluate it using performance metrics (e.g., accuracy, precision, recall, F1-score).
- Use cross-validation to improve model reliability.
- Publish the project on GitHub, and submit a report explaining the model, performance, and conclusions.