Submitted to:\* [Mentor’s Name]

\*Designation:\* [e.g., Senior Data Scientist, AI Lead]

\*Organization:\* [Company/Institution Name]

\*Submitted by:\* [Your Name]

\*Internship Period:\* [Start Date] to [End Date]

\*Date of Submission:\* [DD/MM/YYYY]

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### \*1. Introduction to Machine Learning\*

Machine learning (ML) is a subset of artificial intelligence that enables systems to learn from data, identify patterns, and make decisions with minimal human intervention. It powers applications like recommendation systems, fraud detection, and predictive analytics.

### \*2. Supervised Machine Learning Algorithms\*

Supervised ML algorithms learn from labeled training data, where inputs are mapped to known outputs. Examples include:

- \*Linear Regression\* (for continuous values)

- \*Logistic Regression\* (for classification)

- \*Decision Trees & Random Forests\*

- \*Support Vector Machines (SVM)\*