

# **Week #: 12**

**Course:** Applied Data Science with AI

**Semester:** BSSE (B) 7th

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**Instructor Name:** Dr. Mohsin Nazir

**Project Title:** Student Performance Prediction

## **Reading Summary**

**Reading Material for this Week:**

Flask ML Deployment

## **Key Learnings:**

1. Learned how ML models are deployed.
2. Understood API-based prediction.
3. Learned Flask basics.

## **Classroom Task Documentation**

**Task Performed in Class:**

Studied Flask architecture for ML deployment.

## **Weekly Assignment Submission**

**Assignment Title:** Model Deployment

**Steps Taken:**

1. Saved trained ANN model and scaler.
2. Created Flask API for prediction.
3. Tested model using POST request.

**Challenges Faced:**

Understanding server execution.

**Project Progress Milestone:**

End-to-end ML pipeline completed.

**Self-Evaluation:**

Learned deployment basics well.