

Machine Learning with Python

◆ MONTH 1 — Programming & Data

Week 1: Python fundamentals

Week 2: NumPy operations

Week 3: Pandas preprocessing

Week 4 – PHASE PROJECT

 **Data Cleaning & Exploratory Analysis System**

◆ MONTH 2 — Core ML

Week 5: Regression models

Week 6: Classification models

Week 7: Clustering algorithms

Week 8 – PHASE PROJECT

 **Predictive Analytics Model**

◆ MONTH 3 — Applied ML

Week 9: Feature engineering

Week 10: Model tuning

Week 11: Cross-validation

Week 12 – FINAL CAPSTONE

 **End-to-End ML Application with Deployment**