







## 6-Week AI/ML + Data Expert Internship – Project-Oriented Curriculum

Week	Theme	Project Title	Tools & Libraries Used
Week 1	Python + AI/ML/Data Libraries	 Retail Sales Analytics Dashboard – EDA & Visualization	Python, Pandas, NumPy, Matplotlib, Seaborn
Week 2	Regression (ML)	 House Price Prediction System – Linear & Ensemble Models	Scikit-learn, Pandas, Matplotlib, NumPy
Week 3	Classification (ML)	 Heart Disease Prediction – Classification with Model Tuning	Scikit-learn, Pandas, Seaborn, GridSearchCV
Week 4	Clustering + Dimensionality	 Customer Segmentation – K-Means & PCA	Scikit-learn, Pandas, Matplotlib, PCA
Week 5	Deep Learning (CNN/NLP)	 Digit Recognition using CNN – Deep Learning Model	TensorFlow / Keras, NumPy, Matplotlib
Week 6	Capstone + Deployment	 End-to-End Model + Web App (Flask/Streamlit)	Flask, Streamlit, Pickle/Joblib, HTML/CSS, Python