

## AI/ML + Agentic AI + Automation Checklist (2025)

### PHASE 1 — Foundations

- ☐ Python basics
- ☐ OOP
- ☐ Math basics
- ☐ Pandas, NumPy
- ☐ EDA

### PHASE 2 — Machine Learning

- ☐ Regression & Classification
- ☐ Random Forest, SVM
- ☐ KMeans, PCA
- ☐ ML Projects completed

### PHASE 3 — Deep Learning

- ☐ Neural Networks
- ☐ CNNs
- ☐ RNN/LSTM
- ☐ Transformers basics
- ☐ DL Projects completed

### PHASE 4 — LLMs & Agentic AI

- ☐ Prompt engineering
- ☐ RAG system
- ☐ Vector DB usage
- ☐ Agent frameworks
- ☐ Build tool-calling agent

## PHASE 5 — Automation

- ☐ API usage
- ☐ Web scraping
- ☐ Browser automation
- ☐ Automation platforms
- ☐ Build automation agent

## PHASE 6 — Portfolio

- ☐ ML deployment project
- ☐ RAG assistant
- ☐ Multi-agent dashboard

## PHASE 7 — MLOps

- ☐ Docker
- ☐ FastAPI
- ☐ CI/CD
- ☐ Cloud basics

## PHASE 8 — Mastery

- ☐ Read papers
- ☐ Build advanced projects
- ☐ Open-source contributions