



AI Developer Resource List



1. Python Programming (Foundation)

- ◆ [freeCodeCamp - Python Full Course for Beginners \(YouTube\)](#)  — 4.5 hrs, super beginner-friendly
- ◆ Automate the Boring Stuff with Python (free book + videos) — Learn practical Python scripting


2. Machine Learning Basics

- ◆ [freeCodeCamp - Machine Learning with Python \(YouTube\)](#)  — Covers ML concepts and simple models
- ◆ Kaggle - Intro to Machine Learning Course — Hands-on exercises with real data


3. Deep Learning / Neural Networks

- ◆ [DeepLearning.ai - Neural Networks and Deep Learning \(Coursera\)](#)  — Foundational DL course
- ◆ [PythonEngineer YouTube Channel](#)  — Practical DL tutorials using PyTorch and TensorFlow
- ◆ fast.ai - Practical Deep Learning for Coders (free course) — Highly applied deep learning course

4. Tools & Platforms

- ◆ **Google Colab** (free GPU cloud notebooks): colab.research.google.com
- ◆ **Jupyter Notebooks** (local interactive coding)
- ◆ **Anaconda** Python distribution for managing packages: anaconda.com
- ◆ **VSCode** for coding: code.visualstudio.com
- ◆ **GitHub** for portfolio: github.com 

5. Project Ideas & Practice

- ◆ Kaggle Competitions — Great real-world challenges
- ◆ [Awesome Machine Learning GitHub List](#)  — Tools & datasets
- ◆ [100 Days of ML Coding Challenge](#) 