



Programming with Python Curriculum

Advanced Level (11-13 years)
| 8 Sessions | 90-minute Each

Topic 1 Fundamentals of Python

- Learn the Basics of Python, Including Variables, Data Types, Functions, Modules, and Control Structures



Topic 2 Data Science with Python

- Understand How Data Science with Python Powers Recommendation Systems and How to Organize Data for Analysis



Topic 3 Exploring Data (EDA)

- Learn Statistics and How to Organize & Filter Data with Numpy to Uncover Useful Insights





Topic 4

Weighted Ratings and Sorting Data

- Discover How Ratings Work and How to Sort Data to Make Informed Decisions



Topic 5

Data Visualization and Building the First Recommender System

- Create Charts to Visualize Data and Build a Simple Recommendation System Based on Ratings



Topic 6

Personalizing and Building a Recommendation Function

- Personalize Recommendations and Learn How to Deploy Your System for Real-Time Use

