COURSE SYLLABUS

FinTech Summer Program Live Online (High School)

Learn Microsoft Excel, finance, stock market investing, and Python for data science in this interactive, live online summer course for high school students.

> Group classes (Live Online) and onsite training are available for this course. For more information, email hello@nextgenbootcamp.com or visit: https://www.nextgenbootcamp.com/certificates/fintech-summer-program-live-online



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Course Outline

This package includes these courses

- Excel, Finance, & Investing Summer Program Live Online (High School) (25 Hours)
- Python for Data Science & AI Machine Learning Live Online (High School) (45 Hours)

Excel, Finance, & Investing Summer Program Live Online (High School)

Gain a competitive edge in business and finance with this in-person summer program designed for high school students. Through hands-on training in Microsoft Excel and real-world case studies, students will learn to analyze financial data, evaluate companies, and understand the principles behind investing and corporate finance.

- Build beginner-to-advanced Excel skills, including formulas, Pivot Tables, and macros
- Analyze financial data and company earnings using Excel-based modeling techniques
- Learn core investment principles, including stock fundamentals, valuation, and risk
- Understand financial statements and how they work together in real-world scenarios
- Explore accounting concepts like EBITDA, depreciation, and cash flow analysis
- Perform corporate valuation and decide whether a company is a good investment

Python for Data Science & AI Machine Learning Live Online (High School)

This course introduces high school students to the core principles of Python programming for data science and artificial intelligence. Through hands-on lessons and real-world projects, students will gain practical experience in data analysis, machine learning, and visualization techniques.

- Write Python scripts using key concepts like variables, functions, loops, and conditionals
- Use lists, dictionaries, and sets to organize and manipulate data efficiently
- Read and write text and CSV files, and clean and prepare data for analysis using pandas

- Visualize data through custom charts with Matplotlib, including scatter plots and histograms
- Explore core machine learning techniques such as linear regression and K-nearest neighbors
- Complete a final project using real datasets to present insights with analysis and visuals