**Python - 100 Days**

# Beginner

## Day 1 - Working with Variables to Manage Date

## Day 2 - Understanding Data types and How to Manage Data

## Day 3 - Control Flow and Logical Operators

## Day 4 - Randomization and Python List

## Day 5 - Python Loops

## Day 6 - Python and Karel

## Day 7 - Hangman

## Day 8 - Function Parameters and Caesar Cipher

## Day 9 - Dictionaries, nesting and secret Auction

## Day 10 - Functions and Outputs

## Day 11 - Blackjack Capstone Project

## Day 12 - Scope and Number Guessing Game

## Day 13 - Debugging and how to fix errors

## Day 14 - Higher Lower Game Project

# Intermediate

## Day 15 - Local Development Environment Setup and the coffee Machine

## Day 16 - Object Oriented Programming

## Day 17 - The Quiz and the benefit of OOP

## Day 18 - Turtle and the Graphic User Interface (GUI)

## Day 19 - Instances, state and higher order functions

## Day 20 - Build Snake Game - Animation and Coordinated

## Day 21 - Build Snake Game - Inheritance and List Slicing

## Day 22 - Build Pong - the famous Arcade Game

## Day 23 - The Turtle Crossing - Capstone Project

## Day 24 - Files, Directories and Paths

## Day 25 - Working with CSV Data and Pandas Library

## Day 26 - List Comprehension and the NATO Alphabet

## Day 27 - Tkinter, \*\*args, \*\*kwargs and creating GUI programs

## Day 28 - Tkinter, Dynamic typing and the Pomodoro GUI application

## Day 29 - Building a Password Manager GUI App with Tkinter

## Day 30 - Errors, Exception and the JSON Data: Improving the Password

## Day 31 - Flash Card App - Capstone Project

# Intermediate +

## Day 32 - Send email (smtplib) and manage date (datetime)

## Day 33 - API endpoint and API parameter - ISS overhead notifier

## Day 34 - API Practice - Creating a GUI Quiz App

## Day 35 - Keys, Authentication and environmental variables, Send SMS

## Day 36 - Stock Trading News Alert Project

## Day 37 - Habit Tracking Project - API post Requests & headers

## Day 38 - Workout Tracking using Google Sheet

## Day 39 - Capstone Project 1 - Flight Deal Finder

## Day 40 - Capstone Project 2 - Fight Club

## Day 41 - Web Foundation - Introduction to HTML

## Day 42 - Web Foundation - Intermediate HTML

## Day 43 - Web Foundation - Introduction to CSS

## Day 44 - Web Foundation - Intermediate CSS

## Day 45 - Web Scrapping and the Beautiful Soup

## Day 46 - Create a Spotify Playlist using the Musical time machine

## Day 47 - Create a Automated Amazon Price Tracker

## Day 48 - Selenium Web Browser and Game Playing Bot

## Day 49 - Automating Job Application on LinkedIN

## Day 50 - Auto Tinder Swiping Bot

## Day 51 - Internet Speed Twitter complaint Bot

## Day 52 - Instagram Follower Bot

## Day 53 - Web Scrapping Capstone - Data Entry job Automation

## Day 54 - Introduction to Web Development with Flask

## Day 55 - HTML and URL Parsing in Flask and the higher lower game

## Day 56 - Rendering HTML/Static Files and Using Website Template

## Day 57 - Templating in Jinja in flask application

## Day 58 - Web Foundation - Bootstrap

# Advanced

## Day 59 - Blog Capstone Project - Part 2 - Adding Styling

## Day 60 - Making POST requests with Flask and HTML Forms

## Day 61 - Building advanced Forms with Flask WTforms

## Day 62 - Flask, WTforms, Bootstrap and CSV - Coffee and Wifi Project

## Day 63 - Databases with SQLite and SQLAlchemy

## Day 64 - My top 10 Movies Website

## Day 65 - Web Design School - How to create Website that People Love

## Day 66 - Building your own API with RESTful routing

## Day 67 - Blog Capstone Project 3 - RESTful routing

## Day 68 - Authentication with Flask

## Day 69 - Blog Capstone Project Part 4 - adding users

## Day 70 - Advanced Git, github and version control

## Day 71 - Deploying your Web Application

## Day 72 - Data Analysis using Pandas - College Major vs your Salary

## Day 73 - Data Visualization using Matplotlib - Programing languages

## Day 74 - Aggregate and Merge Data with Pandas - Analyze the LEGO dataset

## Day 75 - Google Trends Data - Resampling and visualizing timeline series

## Day 76 - Beautiful Plotly Charts and analyzing android App Store

## Day 77 - Computation with NumPy and N-dimensional arrays

## Day 78 - Linear Regression and Data Visualization with Seaborn

## Day 79 - Analyzing the Nobel Prize with Plotly, matplotlib and Seaborn

## Day 80 - The Tragic discovery of handwashing - t-tests and distribution

## Day 81 - Capstone Project - Predict House Prices

# Professional Portfolio Project

## Day 82 - Python Scripting

## Day 83 - Python Web Development

## Day 84 - Python Scripting

## Day 85 - GUI

## Day 86 - GUI 2

## Day 87 - Game

## Day 88 - Web Development

## Day 89 - Web Development 2

## Day 90 - GUI Desktop App

## Day 91 - HTTP Requests and APIs

## Day 92 - Image processing and Data Science

## Day 93 - Web Scrapping

## Day 94 - GUI Automation

## Day 95 - Game

## Day 96 - HTTP Requests and APIs

## Day 97 - Web Development

## Day 98 - Python Automation

## Day 99 - Data Science

## Day 100 - Data Science