

# Web Scraping with Python

## Outline

### Intro to Web Scraping & Scrapy

- Setting up Scrapy the Development Environment
- Scrapy Fundamentals
- XPath & CSS Selectors
- CSS Selectors fundamentals
- CSS selectors in theory
- XPath fundamentals
- Navigating using XPath(Going UP)
- Navigating using XPath(Going DOWN)
- XPath in theory

### Project 1 Spiders from A to Z

- Worldometers
- Exercise
- Building Datasets

### Project 2 Dealing with Multiple pages

- Website URL
- Setting up the project
- Building the spider
- Dealing with pagination
- Spoofing request headers
- Exercise

### Project 3 Scraping JavaScript websites using Selenium

- Selenium basics
- ElementNotInteractable Exception
- Selenium with Scrapy
- Selenium Middleware