



DATA SCIENCE WITH PYTHON

BY
Mohamed Essam

COURSE OUTLINES

- ❖ Introduction to Computer Science with Python
- ❖ Getting Started(Environment Setup)
- ❖ Basic Syntax
- ❖ Conditionals
- ❖ Loops
- ❖ Data Structure
- ❖ Program Exception VS Reality (try and catch)
- ❖ Functions
- ❖ Introduction to Algorithms
- ❖ Introduction Clean Code
- ❖ File Input/output
- ❖ Databases
- ❖ Object Oriented Programming
- ❖ Mathematics for AI include topics in(linear Algebra, calculus, probability and statistics)
- ❖ Exploratory Data Analysis with Pandas and Numpy
- ❖ Data Visualization
- ❖ Data Preprocessing
- ❖ Machine Learning
- ❖ Introduction to Web Technologies
- ❖ Web Backend with Flask
- ❖ Model Deployment
- ❖ Git and Github
- ❖ Advance Your Career (Resume and seeking for a job)