PYTHON POWER BI

Access to Interview Opportunities with Top Companies

Industry-Relevant Curriculum Designed and Taught by Industry Experts
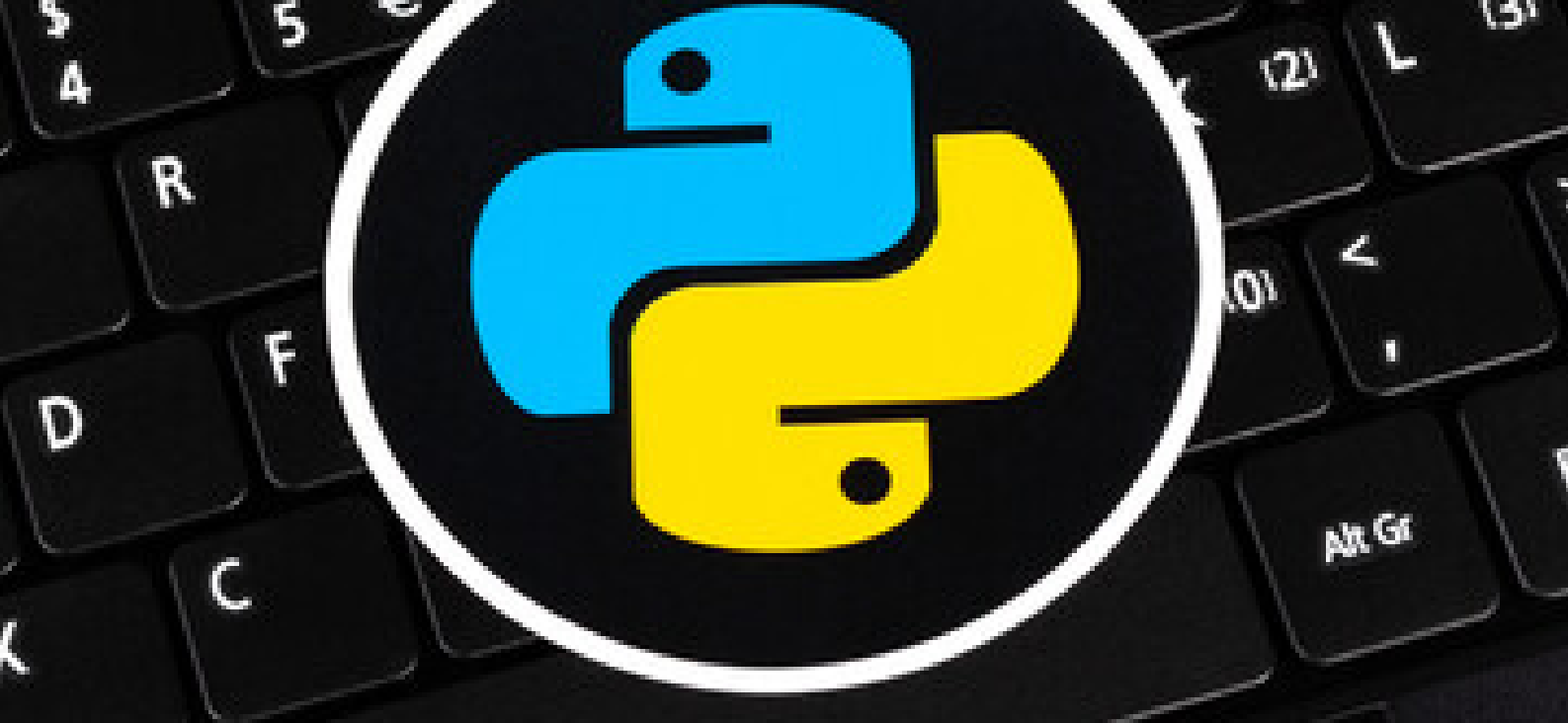
Hands on Project and Industry Specific Tools
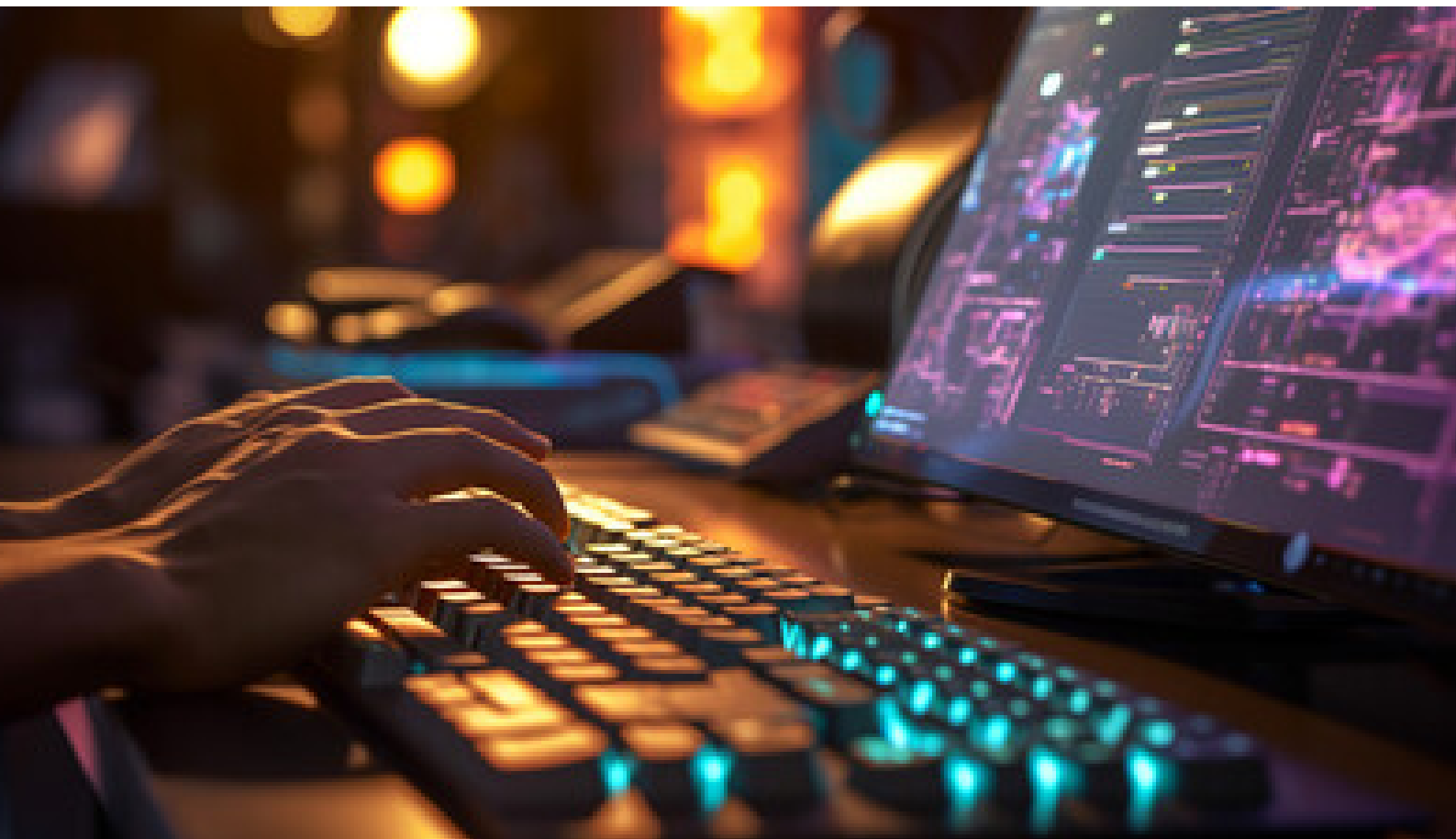
Dedicated CareerSupport and Interview Preparation

Post Graduate Certificatefrom Great Lakes Executive Learning

Python has become a cornerstone in the IT industry due to its versatility, readability, and extensive ecosystem of libraries and frameworks. Widely adopted for web development, data science, machine learning, and automation, Python offers a simple syntax that makes it accessible for beginners yet powerful enough for complex applications. Its popularity stems from its role as a general-purpose language, fostering rapid development and efficient code maintenance. Python's extensive community support and a rich set of libraries such as NumPy, Pandas, and TensorFlow contribute to its dominance in data-centric applications and emerging technologies. In the IT industry, mastering Python equips professionals with a valuable skill set applicable across a spectrum of domains, making it a go-to language for building scalable, innovative, and robust solutions.

The Program helps you do grow and bloom in Industry and developed by best-in-class industry experts.It offers a blend of online learning with live and recorded lectures along with access to dedicated career support and rewarding job opportunities.

LEARN ONLINE ANYTIME, ANYWHERE

Learn from live masterclasses by top industryleaders and online lab sessions every week, along with 100+ hours of learning content.

WEEKLY ONLINE MENTORSHIPFROM EXPERTS

Get assistance on projects and reinforce the concepts you learn through weekly mentorship sessions.

NETWORK WITH LIKE-MINDED PEERS

Interact with peers from diverse backgroundsand grow your professional network.

DEDICATED PROGRAM SUPPORT

Access dedicated support on your learning journey and resolve for all your queries withhelp from a dedicated Program Manager.

A fresh graduate or a working professional looking to up-skill andbuild a career.

PYTHON POWER BI

Module1:Introduction to Data Analysis with Python and Power BI

1.1 Understanding the Data Analysis Process

1.2 Introduction to Power BI and Python

1.3 Setting Up the Development Environment

Module 2:Data Preprocessing with Python

2.1 Data Cleaning and Transformation with Python

(Pandas)

2.2 Handling Missing Data

2.3 Data Types and Conversions

2.4 Data Aggregation and Grouping

Module 3: Data Visualization with Power BI

3.1 Introduction to Power BI Desktop

3.2 Data Loading and Transformation in Power

Query

3.3 Building Basic Visualizations: Bar Charts, Line

Charts, Pie Charts

3.4 Working with Filters and Slicers

Module 4:Advanced Data Analysis with Python

4.1 Exploratory Data Analysis (EDA) with Python

4.2 Statistical Analysis with Python (Scipy and

Stats models)

4.3 Introduction to Machine Learning with Python

Module 5: Advanced Data Visualization with Power BI

5.1 Advanced Visualizations: Treemaps, Waterfall Charts, etc.

5.2 Customizing Visuals with DAX (Data Analysis Expressions)

5.3 Dashboard Creation in Power BI

5.4 Sharing and Publishing Reports

Module 6:Final Project and Course Review

6.1 Capstone Project: Students will work on a real-world data analysis and visualization project using Python and Power BI.

6.2 Course Review and Exam: A final review of key concepts and an assessment to test students' knowledge.

Module 6:Final Project and Course Review

7.1 Geospatial Analysis and Mapping with Power BI

7.2 Power BI Service and Collaboration Features

7.3 Integrating Python with Power BI using Python Scripts

7.4 Using Python Libraries for Data Visualization (Matplotlib, Seaborn)

READY TO ADVANCE YOUR CAREER?

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