TECHPledge®
Connect Consult Content

Reboot Youur Career with Data Science Bootcamp

NEW 2021 PROJECT BASED TRAINING

DATA SCIENCE H2O BOOTCAMP

FOR

ADVANCE CAREER

- R PROGRAM
- PYTHON PROGRAM
- SQL AND DATABASE
- M L TECHNIQUE
- CAPSTONE PROJ

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TechPledge H20 Data Science Samurai

6 MONTHS ONLINE BOOTCAMP

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Program Highlight

- 300+ Hours of Training
- 6 Months Duration
- 9 Projects
- 18+ Assignment
- 6 Hours of CIE

PROGRAM INTRODUCTION

Data Science H20 Bootcamp Career Track

Career Path and Growth

Data scientists are analytical experts who utilize their knowledge about industry segments, understanding of context, skepticism of known assumptions, and uncover solutions to business challenges. Simply we can say Data scientists professionals who have the skills for collecting, shaping, storing, managing, and analyzing data as important resources for organizations to allow for data-driven decision-making.

According to Glassdoor - data scientists reporting an average salary of $117,345 Per Year. The Typical Job Requirements include Find, clean, and organize data for companies. TechPledge H20 Data science Bootcamp offers a rigorous and potentially beneficial way to advance in the IT world of data science. This Bootcamp is designed to provide more in-depth and advanced knowledge

The H20 Bootcamp

H20 Data Science Samurai Courses include training in R Programming, Python, SQL & data visualization with a focus on real-world application. Students will walk away with a portfolio of 9 projects to show to potential employers as well as a capstone project.

The H20 course also includes 3 Mock Interviews and Resume Preparation which spans the last 1 week of the course. The participant will have access to an extensive network of professionals across the industry and post-course career support with TechPledge Tech Community Forum.

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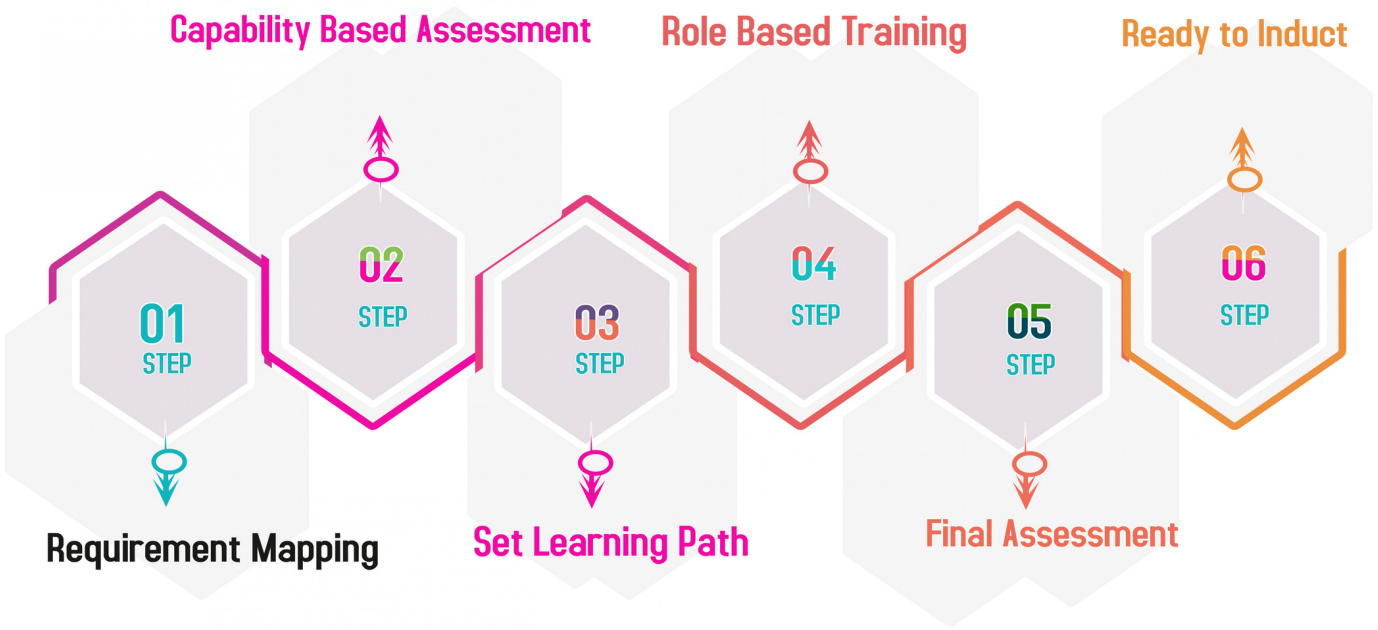
TechPledge H20 Bootcamp Path



PROGRAM ELIGIBILITY AND OUTCOME

DATA SCIENCE H20 CAREER TRACK

Who Should Opt for This Program?

- Working professionals looking to acquire data science skills to boost their professional career.
- Early age career starters who looking to develop Software and data engineering skills for their professional growth.
- Technology Executive and project managers who are responsible to drive company digital journey and data since Project.
- A software engineer looking to transition into machine learning, data mining, data visualization, and other data science skills.

What Will You Achieve with This Program?

- Maximize your marketability by pursuing tech skills in demand to boost your professional career.
- Acquire software and data engineering skills for your professional growth.
- Execute digital transformation project at your workplace with more confidence and drive better results with numbers.
- Reboot your career with new skills set you will learnings bootcamp like basic software engineer, data mining, data visualization.

Learning Path for Data Science

Data Scientist must have skills needed to Data Extraction, Transformation, and Loading using Data Processing Frameworks and Data Visualization. This Course will prepare you not only get these skills but also give you opportunity to Practice and apply those skills using real-world problems through hands-on projects

Understand Data Science in Business

- Significance of Data Science in today's digitally-driven world
- Real World Applications of Data Science
- Lifecycle of Data Science
- Big data in Business Decision Making

Data Science with Python and R

- Fundamental of Python and R
- Importing and exporting data to/from external sources
- Exploring individual elements of customer blend data
- Modifying and extracting the results from the dataset
- User SQL Query to Filter the result.
- Manipulating Data with dplyr

Real World Scenario with Project

- Sentiment analysis Project with R language
- Uber Data Analysis with R language
- Census income data with Python
- Customer segmentation Project
- New Start-up insights through data analysis
- Detecting Parkinson's Disease

PROGRAM OUTLINE

Introduction to Software Engineering (Refresher)

SDLC Process

* What is Software Development
* Software Development Life Cycle
* Traditional Models for SDLC
* Web Server role, about IIS, APACHE
* Web Browsers,Support Languages
* Understanding HTTP, TCP/IP, LAN
* Assignment

Basic of Software Development

* Basic of HTML /DHTML
* Basic of CSS
* JavaScript and Type Script Basic
* Data Types
* Operators, and Arithmetic Expressions
* The Input/ Output Concept
* Arrays, Pointers, Strings
* Assignment
* Module Test

Introduction to GIT SCM

GIT Basic Operation

* What is Version Control
* Types of Version Control System
* GitHub/Git Lab Introduction
* Features with Git Hub/ Git Lab
* Create Public and Private Repository
* Create Teams in GitHub
* Assignment

GIT for SDLC

* GIT CMD Tool install and Configure.
* GIT Life cycle Commands
* Pushing Code to GitHub
* Staging Code in GIT
* Creating, Deleting GIT Branches
* Merging branches using GIT merge
* Assignment
* Module Test

Database Engineering for Data Science

SQL Basic Operation

* FE , BE and Databases Concept
* SQL Query Editor
* SQL Schemas and Data Type
* Inserting data
* Retrieving data
* Updating and Delete Data

Analyze Data with SQL

* Sorting and Filtering Data
* Advanced data Filtering
* Summarizing Data
* Grouping Data
* Using Subqueries
* Table Joining
* Assignment
* Module Test

Introduction to Data Science

Data Science Overview

* What is Data Science?
* Data Science Professional KRA
* Use Cases for Data Science
* What is Machine Learning?
* What is Deep Learning?

AI Relation with Data Science

* What is AI?
* Data Analytics & it's types.
* ETL process
* Assignment
* Module Test

Python for Data Science

Python Basic for Data Science

* Introduction to Python
* Python Basics
* Python Control Structure
* How to Use Python Packages
* Use Python (NumPy)
* Use Python (Scipy
* Assignment

Data Science with Python

* Pandas' data frame operations
* Importing data
* Manipulating Data
* Data munging techniques
* Data visualization using Matplotlib.
* Use Seaborn libraries
* Data munging techniques
* Assignment
* Module Test

R for Data Science

R Basic for Data Science

* Introduction to R Programming
* R Data Structures
* Install R and R-studio
* Setup workspace setup
* Control Statement
* List in R
* Working with Array
* Use of Matrix in R
* Factors in R
* R Packages

Data Science with R

* Importing data from various Data Source
* Loading R data object
* Manipulating Data
* Data munging techniques
* Regression Analysis
* MSE , RMSE and MAPE
* Data visualization
* Error Metrics
* Classification
* Precision
* Assignment
* Module Test

Data Science with Cloud

Data Science with Cloud

* Introduction to Cloud
* AWS Amazon SageMaker
* Azure Data Science Virtual Machines
* H2O AI Hybrid Cloud

Industrial Projects & Interview Preparation

Projects with Capstone

* Movie Recommendations
* Sales Forecasting with Walmart
* Stock Price Predictions.
* Predictions of Win Quality
* Filter Specific Tweets
* Detecting Parkinson's disease

Interview Preparation

* Resume Preparation Service
* Linkdin Profile
* 3 Mock Interview
* Placement Consultant Connect
* Customer Immersion Session

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H2O DATA SCIENCE BOOTCAMP

MOST EFFECTIVE BOOTCAMP TRAINING FOR YEAR 2021

SCHEDULE AND PROGRAM FEE

- 6 Months
- 300+ hrs Program
- 2.5 hrs on Weekday
- 4 hrs on Weekend

- USD 3650 (Incl Tx)
- 3 Equal Installment *

ABOUT US

We are Global #No 1 Online Job Based IT Training & Certification Provider focused on helping people acquire the new skills they need to thrive in the new digital world.

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