



# Data Science with AI&ML Bootcamp

Launch Your Career in Data Science with AI&ML

## Become a Certified Data Science with AI & ML with Digitalearn

Launch your career in data science with AI & ML with the Digitalearn Certified Data Science with AI (CDSA) program! This course equips you with the practical skills needed to excel in the fields of data analytics, machine learning, and artificial intelligence. Whether you're starting fresh or advancing your expertise, CDSA offers hands-on training to help you harness the power of data and AI-driven solutions.

Build Your **Data Science Skills** with  
**Digitalearn's** Flexible Online Courses

Our courses, tailored for all levels of experience, focus on hands-on learning to empower you with the tools and techniques needed to analyze complex datasets and build AI-driven models. With DigitalEarn's industry-recognized certifications, you'll gain practical expertise to solve real-world problems and propel your career—all at your own pace, from anywhere.

# What Sets This Program Apart ?

## Key Solutions



### Career Preparation

- Mock Interview Prep: Technical and behavioral interview simulations.
- Resume Building: Access ready-to-use templates tailored for data roles.
- Job Application Guide: Tips to land your dream role.
- Internship Benefits: Gain hands-on experience with industry-standard tools.



### Practical Learning

- Live Projects: Work on 5+ real-world data science projects.
- Interactive Practical Sessions: Participate in engaging, instructor-led classes.
- Cutting-Edge Tools: Stay ahead with the latest data science and AI technologies.



### Additional Learning Support

- Soft Skills Training: Personality development sessions to enhance communication skills.
- Class Recordings: Access anytime for review and revision.
- Comprehensive E-books: Deep dive into concepts with detailed learning materials.



### Certification and Exams

- Exam Simulation: Practice with mock tests and sample questions.
- Exam Vouchers: Get exclusive vouchers (subject to availability).



### Ongoing Mentorship

- Lifetime Career Mentorship: Expert guidance at every step of your journey.



### Continuous Learning

- Updated Content: Stay current with market trends and emerging AI technologies.
- Demos: Optional hands-on demonstrations to deepen understanding.

## Why Choose the Digitalearn **Certified Data Science with AI Training**?

The demand for skilled data scientists and AI professionals is skyrocketing across industries like technology, healthcare, finance, and retail. By earning the CDSA certification, you'll unlock exciting career opportunities such as:

- Data Scientist
- Machine Learning Engineer
- AI Researcher
- Business Intelligence Analyst
- Data Engineer

With salaries ranging from **\$80,000** to **\$130,000** per year, depending on your experience, a CDSA certification can elevate your career prospects. It showcases your ability to extract insights from data and create AI solutions, making you a standout candidate in the competitive job market.



## Tools You'll Master

For Data Manipulation & Analysis.



For Data Visualization



For Deep Learning Models.



For Machine Learning.



Big Data Platforms like



## What are the **Insights**?

The CDSAI program is a 2-month course combining live sessions, practical labs, and self-paced learning. You'll explore cutting-edge data science topics, strengthen your skills, and gain confidence in your abilities.

Features Include:



Instructor-led  
classes with  
industry experts



Real-world labs  
simulating industry  
scenarios.



Weekly assignments  
and quizzes for  
hands-on practice.



Collaborative  
discussions and  
Q&A sessions with  
mentors and peers.

## How Course **Curriculum** will Look like ?

### Week 1

#### **Introduction to Data Science and Python Programming**

- Overview of the data science lifecycle.
- Python programming basics: Data structures, loops, functions, and libraries (NumPy, Pandas).

### Week 2-3

#### **Data Wrangling and Exploratory Data Analysis (EDA)**

- Data cleaning, preprocessing, and transformation.
- Exploratory data analysis using Pandas, Matplotlib, and Seaborn

### Week 4-5

#### **Statistics and Probability for Data Science**

- Core statistical concepts: Mean, median, mode, variance, and standard deviation.
- Probability distributions, hypothesis testing, and confidence intervals.

### Week 6-7

#### **Machine Learning Fundamentals**

- Introduction to supervised learning: Regression, classification.
- Key algorithms: Linear regression, logistic regression, decision trees, and k-nearest neighbors.

### Week 8-9

#### **Unsupervised Learning and Clustering**

- Clustering techniques: K-means, hierarchical clustering.
- Principal Component Analysis (PCA) for dimensionality reduction.

## How Course **Curriculum** will Look like ?

### Week 10-11

#### **Introduction to Artificial Intelligence (AI) and Deep Learning**

- Deep Learning Fundamentals: Introduction to neural networks, forward/backpropagation.
- Frameworks: Introduction to TensorFlow and Keras for building deep learning models.

### Week 12-13

#### **Introduction to Artificial Intelligence (AI) and Deep Learning**

- Text data preprocessing, sentiment analysis, and NLP models.
- Case study on AI applications in various industries like healthcare and finance.

### Week 14-15

#### **Natural Language Processing (NLP) and AI Applications**

- Core statistical concepts: Mean, median, mode, variance, and standard deviation.
- Probability distributions, hypothesis testing, and confidence intervals.

### Week 16

#### **Capstone Project and Revision**

- Capstone Project: Build an end-to-end data science solution, applying machine learning and AI techniques to a real-world problem.



# How Schedule and Commitments will work?



**Duration**  
4 months  
(16 weeks)



**Mode**  
Online Live  
sessions, Practical  
Labs, and Self-  
Paced Study



**Commitment**  
2 hours per day, 4  
days a week  
(Mon-Wed-Thur-Sat).

## Real-World Tasks in the Training Program



**Data Cleaning and Wrangling:**  
Prepare datasets for analysis using Python and R.



**Model Development:**  
Build machine learning models to solve business problems.



**AI Solutions:**  
Develop deep learning models for tasks like image recognition.



**Data Visualization:**  
Create interactive dashboards with Tableau and Power BI.

Upon completing the **program**,  
you'll earn:

- Digitalearn Certified Data Science with AI (CDSA) Certificate.
- Industry-Aligned Certifications: Exam preparation for globally recognized certifications like Microsoft Certified Data Scientist and Google TensorFlow Developer.



4.9 Average  
Rating



3500+  
Students  
Got Job



4000+  
Satisfied  
Learners



100+ Highly  
Qualified  
Trainers

# What Kind of Support Will You Receive?



## Mentorship

A dedicated mentor to guide you through the learning journey



## Alumni Network

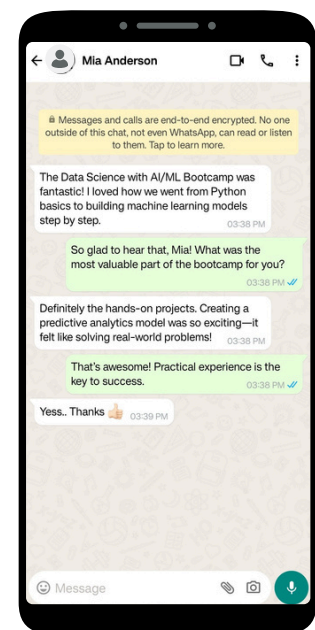
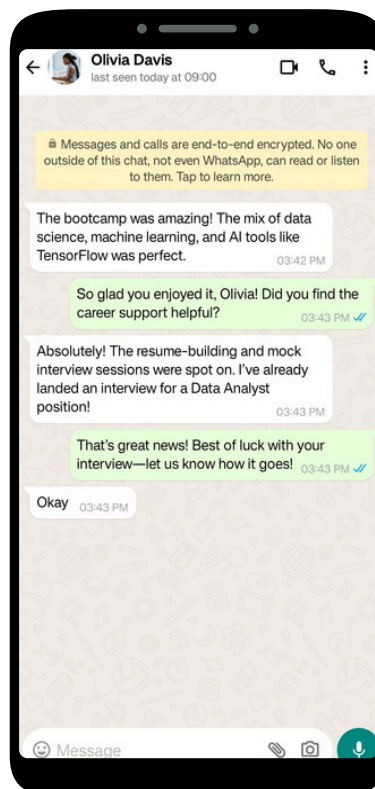
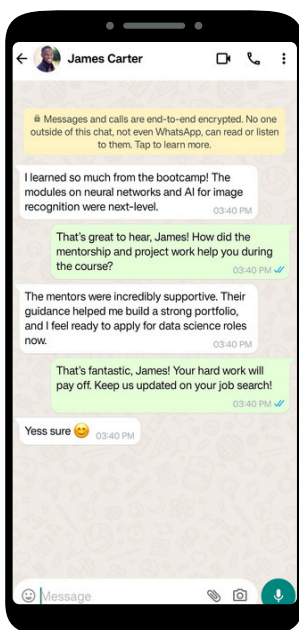
Access to a supportive community of cybersecurity professionals



## Career Assistance

Networking tips, job search strategies, and interview prep

What our **students** say ?



# Frequently Asked Questions (FAQs)

## ? 1. What is the CDSAI Bootcamp?

- ✓ The Certified Data Science with AI (CDSAI) Bootcamp is a 2-month online course offering practical training, live sessions, and hands-on projects to prepare you for a career in data science and AI.

## ? 2. Who is this program for?

- ✓ It's designed for beginners and professionals looking to develop or advance their data science and AI skills.

## ? 3. What is the cost and duration?

- ✓ The program costs \$1,500, runs for 2 months, and includes 70 hours of live and self-paced learning.

## ? 4. What will I learn?

- ✓ Key skills include data analysis with Python and R, machine learning with TensorFlow, AI modeling, and visualization with Tableau.

## ? 5. What job roles can I pursue?

- ✓ Roles include Data Scientist, AI Developer, Machine Learning Engineer, and Business Intelligence Analyst.

## ? 6. Do I need prior experience?

- ✓ No prior experience is required. The program starts with foundational concepts and progresses to advanced topics.

## ? 7. Are sessions recorded?

- ✓ Yes, all sessions are recorded and accessible anytime for review.

## ? 8. What certifications are included?

- ✓ The program awards the CDSAI certification and prepares you for global credentials like Microsoft Data Scientist and TensorFlow Developer.




## Social Media Handles:

 @digitalearn\_official


 Digitalearn

## Ask your queries to our experts?

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