

Chegg Skills

Applying AI in Data Analytics

 Part-time (10 hours/week)

 100% online

 Certificate of Completion

Introduction

Congratulations on taking a major step in advancing your career. In this program, you'll learn key skills and best practices to seamlessly integrate AI tools into your data analytics workflow to deliver powerful insights.

As a member of the Chegg family, we are always Student First. Backed by one of the largest ed tech companies in the world, we're committed to giving you the skills and learning support you need to grow professionally.



Here's what you need to know:

- **Program Length:** 2 months
- **Time Commitment:** Part-time (10 hours/week)
- **Instructional Type:** Online
- **Class Schedule:** Independent study
- **Credential Awarded:** Certificate of Completion

The minimum expected time commitment for this program is estimated at 10 hours/week. Within this self-paced course, some students may progress more quickly than others.

About the Program

Take your career to the next level with our Applying AI in Data Analytics Certificate program. Gain valuable new skills to automate routine tasks, extract valuable insights, optimize data-driven decision making, unleash your creativity, and embrace new tools and mindsets to thrive in an AI-driven work environment. Students working in data analytics roles will leave equipped to tackle business challenges using real-world AI use cases, expand their knowledge of AI, and propel their data analytics career forward in the era of AI.

This program covers 5 high-level objectives:

- 1** Unlock the power of AI tools and its relation to data analytics
- 2** Utilize AI to optimize data analytics tasks
- 3** Craft effective prompts for data analytics optimizations using prompt engineering strategies
- 4** Identify practical use cases for using AI in data analytics roles
- 5** Apply AI to different analytics tools to effectively manage data

Course 1

Fundamentals of AI

Unlock the power of artificial intelligence and understand how it can be leveraged for data analytics.

How You'll Apply These Skills:

Begin with an overview of the key concepts in artificial intelligence (AI), like machine learning, deep learning, large language models, natural language processing. You'll explore the pivotal role of AI in enhancing data analytics projects and each stage of the data analytics process. Finally, you'll begin to delve into ethical and responsible AI usage, touching on data privacy and security to master AI effectively.

Course 2

Introduction to Data Analytics

Master core data analytics concepts, transforming raw data into actionable business insights.

How You'll Apply These Skills:

Revisit the essentials of data collection, cleansing, and preparation. You'll explore data visualization and exploratory data analysis, bringing datasets to life. You'll learn how to extract vital information from datasets to make data-informed decisions that drive business success.

Course 3

AI in Data Analytics

Tackle data analytics challenges using AI tools and technologies.

How You'll Apply These Skills:

Apply AI algorithms to predictive analytics, classification, regression, and clustering. You'll gain hands-on experience in data collection, cleansing, analysis, and visualization using AI tools to transform raw data into meaningful insights.

Course 4

Data Collection with AI

Effectively gather and manage various data types in real-world AI applications.

How You'll Apply These Skills:

Interact with structured, unstructured, and semi-structured data, understanding each type's unique characteristics and uses. You'll learn about prevalent data file formats like CSV, JSON, and XML, along with their pros, cons, and practical applications. You'll learn about diverse data collection sources, such as online repositories and open data platforms. Finally, you'll learn to collect and access data responsibly, with a focus on privacy and security optimization.

Course 5

Prompt Engineering for Data Analytics

Master the art and science of prompt engineering as it relates to data analytics tasks.

How You'll Apply These Skills:

Frame precise prompts and extract valuable insights from data analytics tasks. You'll learn how to curate clear, context-aware prompts, and select the most relevant data features for accurate results depending on your specific task. Finally, you'll review and apply your newfound AI knowledge to your present and future roles in data analytics.

FAQs

What support do you offer students during the program?

Unlike Chegg Skills other programs, AI courses are a short-form certificate program that can be expected to be completed in 2 months. Students will get real-time support through our live chat platform for answers to study-related questions, access to office hours, and academic support resources to guide them through the program effectively.

Do I need a computer to take the course?

Chegg Skills programs require a computer with high-speed internet access and video capability, including a webcam, a microphone, and speakers. Every student must own or have access to a personal computer with at least:

- 16GB RAM
- At least 2.0 GHz processor
- At least 256 GB HD

Computers must be available prior to the first day of class. Headphones are highly recommended. Macs must have the most current OS version installed, and PCs must be using either Windows 10 (or newer Windows operating systems) or a current version of a Linux operating system.

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**Apply for the
Applying AI in
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Certificate
Program today.**

Supercharge your career here.