
PLURALSIGHT

Hands-on Generative AI

Welcome!

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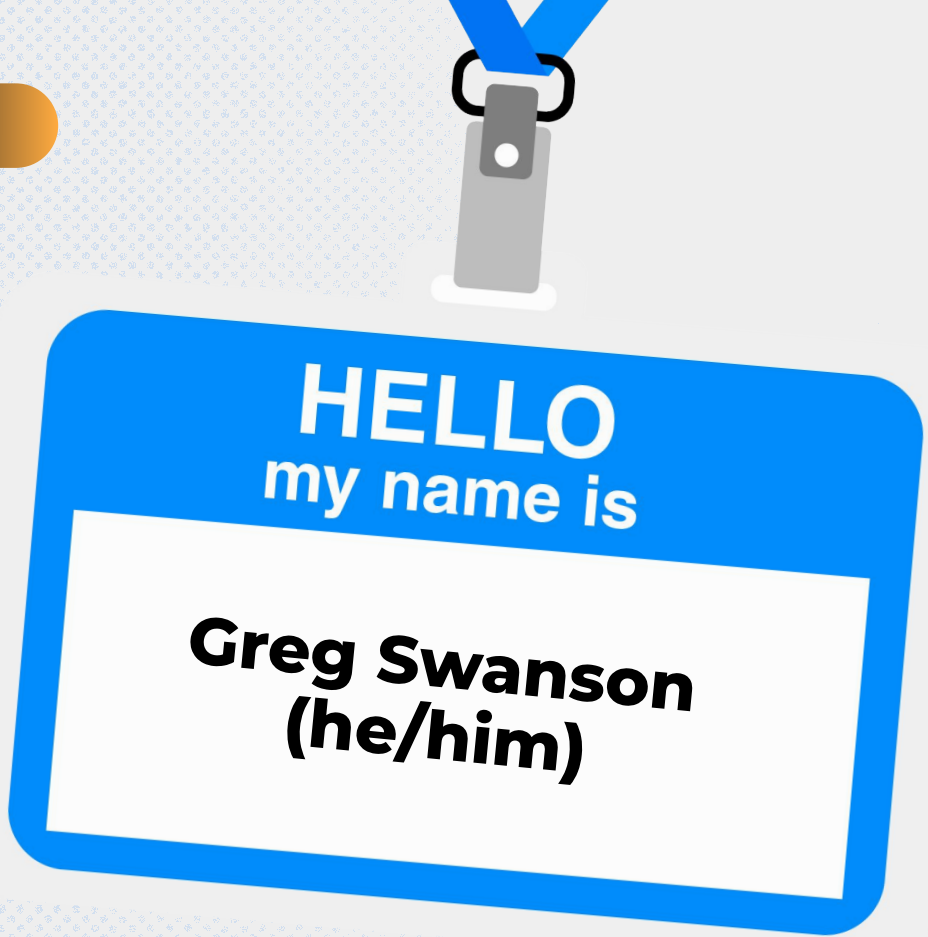
Instructor, Pluralsight



About Me:

- Lead Data Scientist for Storyblocks
- Teaching Programming and Data Science related topics for the last 5 years
- I live in Utah & love getting out in the Wasatch Mountains as much as I can

Prerequisites

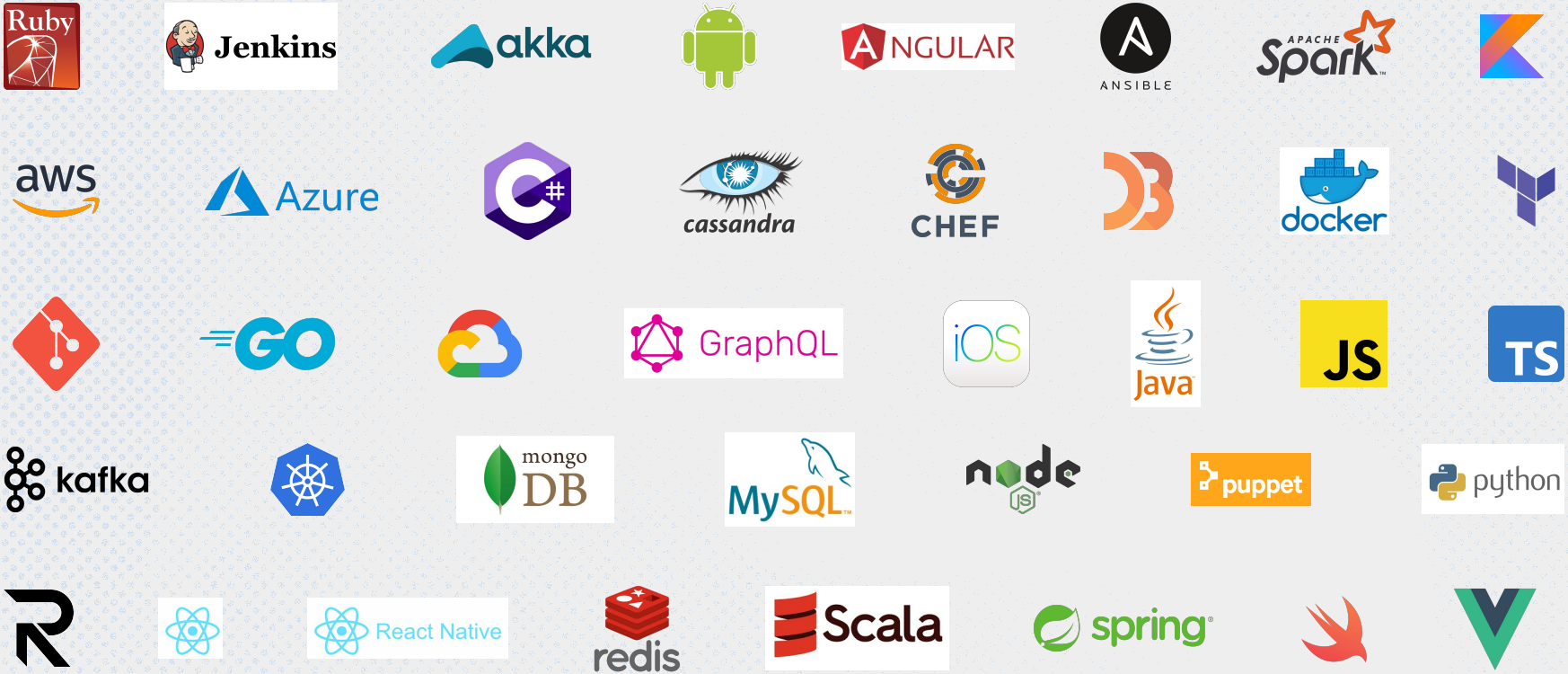
This course assumes you

- Python Programming: Participants should have a solid understanding of Python programming,
    - Libraries commonly used in data analysis, such as NumPy, Pandas, and scikit-learn.
- Data Analysis and Machine Learning:
    - Familiarity with data analysis concepts, and machine learning algorithms is essential.
- Deep Learning Basics:
    - Basic knowledge of deep learning concepts is recommended.

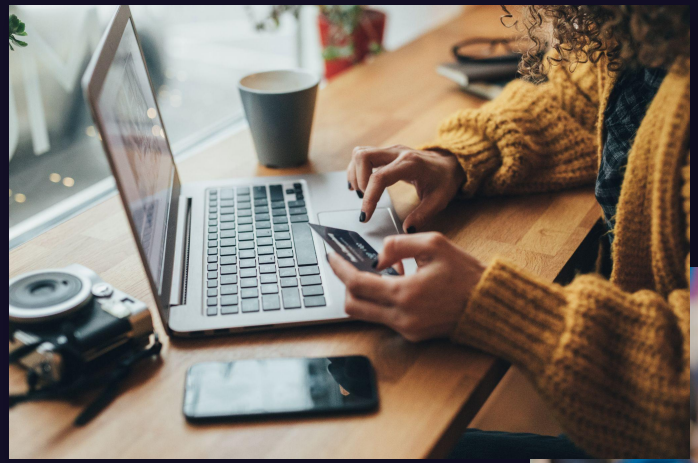
Why study this subject?

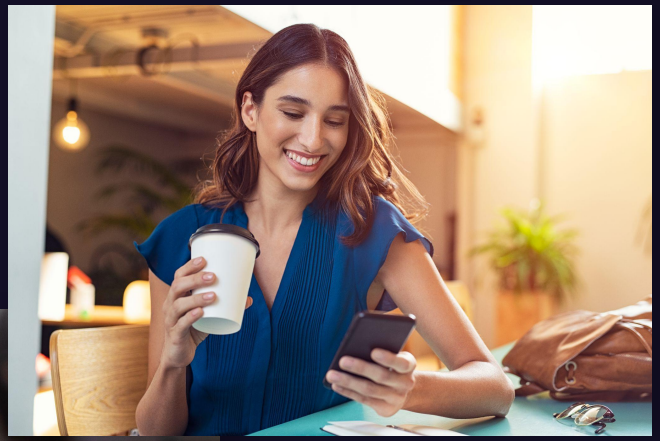
- To enhance your understanding of current trends!
- In order to create an entrée in the world of Generative AI
- Have more fundamental understanding of key technologies and applications of Generative AI

We teach over 400 technology topics.



You experience our impact on a daily basis!





My pledge to you:

I will..

- Make this course interactive
- Ask you questions
- Ensure everyone can speak
- Create an inclusive learning environment
- Use an on-screen timer for breaks

...also, if you have an accessibility need, please let me know!

Objectives

At the end of this course, you will be able to:

- Build your own generative model
- Discuss the foundation of generative AI and its applications
- Work with open source models out there

Agenda

- Introduction to Fundamentals (Deep Learning)
- Generative Models (VAU, GANs)
- Practical Applications (NLP focused)

Schedule Breakdown

9:05 AM PDT: Class Start

- Intros
- Lecture & Exercises

10:30 AM PDT: Break

- Lecture & Exercises

12 PM - 1PM PT: Lunch & Survey

- Lecture & Exercises

3 PM PDT: Break

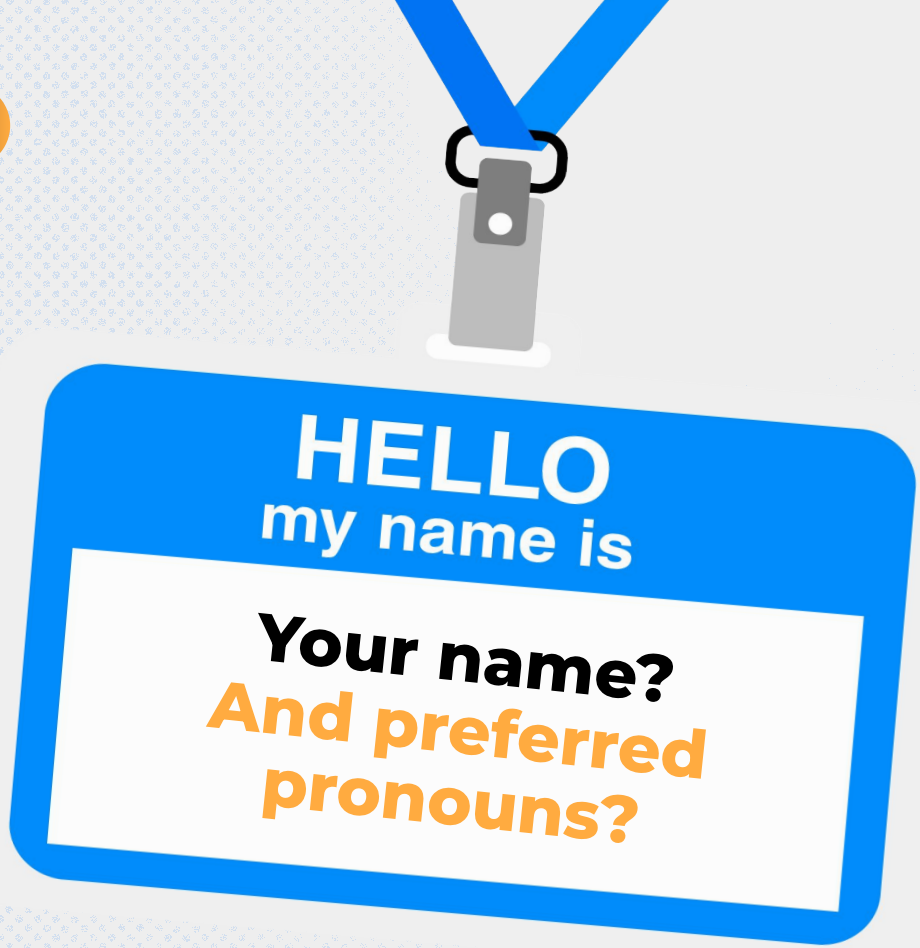
- Lecture & Exercises

4:45 PM PDT: Class Wrap Up

How we're going to work together

- You'll have a copy of all the course materials shortly
  - We'll be using Jupyter notebooks/VSC

- You'll be following along in the notebook and..
  - doing coding exercises/labs inside the notebook as well



Student Instructions

- Job title?
- Where are you based?
- What is your related experience, if any?
- Fun fact?

Set up the environment

- Download repo from here:
  - https://github.com/gregworks/Hands-on-Generative-AI

Thank you!

If you have any additional questions, please ask!If