Welcome to the AI & Machine Learning track! In this track, you will work in Snowflake, a leading data platform solution. Are you ready for a resume-building experience? In this project, you will complete a tutorial (Snowflake quickstart) and apply what you learn in the tutorial to a provided dataset and problem. Do you know some SQL and Python? Great - give this a try! You'll be given a data set of spare parts for a manufacturing company. The stakeholders have asked that you **predict when a purchase will arrive**. This is an AI/ML problem - keep in mind - you can create an ML model with as little as four lines of code. You can do this! Here's a breakdown of the project:

1. Read this article.
2. Watch this video. (This is extremely important and will orient you to the project.)
    a. Claim your username for Snowflake here.
3. Copy the database as directed in the video in Part 1.
4. Choose and complete one or more of the following quickstart tutorials
    a. Intro to Machine Learning with Snowpark ML
    b. Machine Learning with Snowpark Python
    c. Visual Analytics Powered by Snowflake (you can use this for preliminary visualizations, but remember that this is an AI/ML problem)
    d. Accelerating Machine Learning with Snowflake and Data Robot
5. Work to apply what you learned in the quickstart (and harness other resources as well!) to **predict when a purchase will arrive.**

Presentation & Final Deliverable: Collaboratively outline the project, including the chosen quickstart, problem statement, data preparation/cleaning, feature engineering, modeling techniques, and criteria for choosing a model to put into production.

    a. Prepare an 8-minute presentation, addressing stakeholders for the first 4 minutes and describing the project process for the remaining 4 minutes. Submit a portfolio documenting the project comprehensively for reproducibility.