MSA 2021 AI Project Summary

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Summary for the learning journey

The MSA 2021 AI Bootcamp helped to understand the concepts in Machine Learning and AI domain. The ML problems are widely classified as Regression, Classification, and Clustering problems. The Session on Exploring Azure Machine Learning Studio gave a hands-on experience to use the Azure ML Studio for a given dataset.

The following learn modules were also helpful:

1. **Use visual tools to create machine learning models with Azure Machine Learning:** This module helped to create Regression, Classification and Clustering models with Azure Machine Learning Designer.

2. **Scale AI in your organization:** This module provided a high-level explanation on managing AI at different levels in the organization. It also provided various horizon levels and their importance.

3. **Introduction to machine learning with Python and Azure Notebooks:** This was more of a hands-on module in which we learnt to use Jupyter notebook / Azure Notebooks. Till now I was running the code on local machine, Azure notebook provides scalability and faster computation. In this module, there were 3 projects which helped to get more familiarity on Azure notebooks.

4. **Build real world applications with Python:** This was the most interesting module in the all the learning paths. There were 3 sub-modules, namely:

   - Introduction to Python
   - Introduction to OOP with Python
   - Building AI web App using Python and Flask

   I was familiar with OOP in Java but didn't get a chance to use OOP programming in Python until this module. The module for Building the AI web app seemed quite simple. Maybe because we got an amazing hands-on video on Web app development by one of the MSA representatives.

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