

AI for Cloud & Big Data

Duration: 2 Months (Mon–Fri, ~90 Hours)

Mode: Live Online / Classroom

Tools & Technologies: AWS SageMaker, Azure ML, GCP AI Platform, Databricks, Snowflake, Spark MLlib

Syllabus

Week 1

- Cloud computing basics for AI
- AWS, Azure, GCP overview
- Assignment at end of week

Week 2

- Deploying models on AWS SageMaker
- Assignment at end of week

Week 3

- Azure ML Studio & GCP Vertex AI
- Assignment at end of week

Week 4

- Spark MLlib for distributed ML
- Assignment at end of week
- Mock Interview 1

Week 5

- Databricks for AI workflows
- Assignment at end of week

Week 6

- Snowflake ML integrations
- Assignment at end of week

Week 7

- Deploying models as APIs
- Assignment at end of week

Week 8

- End-to-end cloud AI project
- Mock Interview 2
- Assignment at end of week

Learning Outcomes

- Understand cloud platforms for AI
- Deploy AI models on AWS, Azure, and GCP
- Work with Spark MLlib for big data
- Integrate AI with Databricks & Snowflake
- Deploy AI models as APIs