

1.125 Software Engine

Applied Generative AI		
SES #	Date	TOPICS
LECT 1	Thu, Sep 7	Introduction & Course Overview

LECT 2	Tue, Sep 12	Introduction to Generative AI and its Importance
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LECT 3	Thu, Sep 14	Copilot and LLMs

LECT 4	Tue, Sep 19	Prompting
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LECT 5	Thu, Sep 21	Basics of LLMs
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LECT 6	Tue, Sep 26	Attention is all you need
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LECT 7	Thu, Sep 28	Embeddings
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Data Engineering and Machine Learning in the Cloud

SES #	TOPICS	
LECT 8	Tue, Oct 3	

LECT 9	Thu, Oct 5	Data Engr – Colab Python Pandas and DataBricks
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LECT 10	Tue, Oct 10	No Class Student Holiday
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LECT 11	Thu, Oct 12	Mini Projects
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LECT 12	Tue, Oct 17	Architecting Cloud Data Pipelines
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LECT 13	Thu, Oct 19	Architecting Cloud Data Pipelines
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LECT 14	Tue, Oct 24	Open Source 1 - Students Demo an ML App
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LECT 15	Thu, Oct 26	Open Source 1 - Students Demo an ML App
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Project

SES #	TOPICS	
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LECT 16	Tue, Oct 31	Project
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LECT 17	Thu, Nov 2	Project
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LECT 18	Tue, Nov 7	Project
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LECT 19	Thu, Nov 9	Veterans Day No Class
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LECT 20	Tue, Nov 14	Project
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LECT 21	Thu, Nov 16	Project
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LECT 22	Tue, Nov 21	Project
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Holiday	Thu, Nov 23	ThanksGiving
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Practice	Tue, Nov 28	Project
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Final	Thu, Nov 30	Final Presentations
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Debrief		
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Engineering & Architecting

HOMEWORK		
Comments		
HW00: Install VSCode Copilot and Git		
HW01- Github, Codespaces		
HW02:		
HW3 -		
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HOMEWORK		
HW 4		
Mini Project 1		
Mini Project 2		
Video Making Exercise		
HOMEWORK		
HW: Video Project Deliverable 01		
HW: Project Deliverable 02		
Practice Presentations		
Practice Presentations		
Term Project Due		

