

Generative AI for Software Development – Curriculum

Day		Duration (Hours)	Topic	Session Type
Day 1	Sun	1	Introduction to the program	Online Live
Day 2	Mon	1.5	Prompt Engineering Fundamentals - I	Online Self-paced
Day 3	Tue	1.5	Prompt Engineering Fundamentals - II	Online Self-paced
Day 4	Wed	0.25	Assignment 1	Self-paced
Day 5	Thu	Reserve Day for doing Assignment 1, Revising Learnings		
Day 6	Fri	2	Generative Texts, Generative Codes	Online Self-paced
Day 7	Sat	1.5	Generative Images, Generative Videos	Online Self-paced
Day 8	Sun	0.5	ChatGPT Alternatives	Online Self-paced
Day 9	Mon	0.25	Assignment 2	Self-paced
Day 10	Tue	0.5	Introduction to web development (Optional)	Self-paced
Day 11	Wed	2	Project 1 (guided) : Build a website using Gen AI Tools	Online Live
Day 12	Thu	Reserve Day for Revising Learnings		
Day 13	Fri	1	OpenAI APIs, Building ChatGPT powered applications	Online Live
Day 14	Sat	Reserve Day for Revising Learnings		
Day 15	Sun	0.5	Introduction to Python (Optional)	Self-paced
Day 16	Mon	0.5	Project 2 (guided) : Generative AI with Custom Data set	Online Live
Day 17	Tue	Reserve Day for Carrying out Project 2		
Day 18	Wed	Reserve Day for Carrying out Project 2		
Day 19	Thu	2	Project 3 (guided) : Build a chatbot - I	Online Live
Day 20	Fri	Reserve Day for Carrying out Project 3		
Day 21	Sat	Reserve Day for Carrying out Project 3		
Day 22	Sun	Reserve Day for Carrying out Project 3		
Day 23	Mon	2	Project 3 (guided) : Build a chatbot - II	Online Live
Day 24	Tue	Reserve Day for Carrying out Project 3		
Day 25	Wed	Reserve Day for Carrying out Project 3		
Day 26	Thu	1	Neural network fundamentals	Online Live
Day 27	Fri	0.25	Assignment 3	Self-paced
Day 28	Sat	Reserve Day for doing Assignment 3, Revising Learnings		
Day 29	Sun	Reserve Day for doing Assignment 3, Revising Learnings		
Day 30	Mon	1	Deep learning and its architectures	Online Live

Day 31	Tue	0.25	Assignment 4	Self-paced
Day 32	Wed	Reserve Day for doing Assignment 4, Revising Learnings		
Day 33	Thu	Reserve Day for doing Assignment 4, Revising Learnings		
Day 34	Fri	1	Transformer and Large Language Model (LLM)	Online Live
Day 35	Sat	Reserve Day for doing pending assignments and revising Learnings		
Day 36	Sun	2	Training LLM for natural language processing	Online Live
Day 37	Mon	0.25	Assignment 5	Self-paced
Day 38	Tue	Reserve Day for doing Assignment 5, Revising Learnings		
Day 39	Wed	2	Generative Adversarial Networks (GAN) for image generation	Online Live
Day 40	Thu	0.25	Assignment 6	Self-paced
Day 41	Fri	Reserve Day for doing Assignment 6		
Day 42	Sat	2.5	Project 4 (Self) : Build a chatbot	Self-paced
Day 43	Sun	1.5	AI Tools Workshop 30 AI tools	Online Self-paced
Day 44	Mon	1	AI Tools Workshop 30 AI tools	Online Self-paced
Day 45	Tue	1	Embarking your Generative AI journey	Online Live