

Week	Day	Date	Topic	Daily content
1	1	21-Jul-2024	Introduction to Data Science	Introduction to Data science bootcamp
	2	22-Jul-2024		Data Operations in Python
	3	23-Jul-2024		Data Cleaning and Preprocessing with Python
	4	24-Jul-2024		Data Visualization techniques with python
	5	25-Jul-2024		Weekly Project
2	6	28-Jul-2024	Foundations of Machine Learning	Introduction to Machine Learning
	7	29-Jul-2024		Feature Engineering
	8	30-Jul-2024		Supervised learning (Regression)
	9	31-Jul-2024		Supervised learning (Classification)
	10	1-Aug-2024		Weekly Project
3	11	4-Aug-2024	Advanced Machine Learning	Databases for Data Science
	12	5-Aug-2024		Ensemble Methods & Regularization Techniques
	13	6-Aug-2024		Unsupervised Learning Clustering
	14	7-Aug-2024		Unsupervised Learning Association Rule & Problem Simplification
	15	8-Aug-2024		Introduction to Deep Learning
4	16	11-Aug-2024	Deep Learning	Weekly Project (Advanced Machine Learning)
	17	12-Aug-2024		Artificial Neural Networks (ANN)
	18	13-Aug-2024		Convolutional Neural Networks (CNN)
	19	14-Aug-2024		Generative Adversarial Networks (GANs)
	20	15-Aug-2024		Weekly Project
5	21	18-Aug-2024	Time Series Forecasting	Time Series Forecasting (RNNs)
	22	19-Aug-2024		Time Series Forecasting (LSTMs + GRU)
	23	20-Aug-2024		Time Series Forecasting (ARIMA)
	24	21-Aug-2024		Advanced topics in Time Series Forecasting
	25	22-Aug-2024		Weekly Project
6	26	25-Aug-2024	Computer Vision	Image Segmentation and Classification
	27	26-Aug-2024		Optical Character Recognition (OCR)
	28	27-Aug-2024		Object Detection and Localization
	29	28-Aug-2024		Object Tracking and Motion Detections
	30	29-Aug-2024		Weekly Project
7	31	1-Sep-2024	Natural Language Processing (NLP)	Introduction to Natural Language Processing (NLP)
	32	2-Sep-2024		Preprocessing and Feature Representation
	33	3-Sep-2024		Natural Language Processing with Probabilistic Models
	34	4-Sep-2024		NLP with Sequential Models
	35	5-Sep-2024		Weekly Project
8	36	8-Sep-2024	Transformers	Introduction to Transformers
	37	9-Sep-2024		Encoder Architecture
	38	10-Sep-2024		Decoder Architecture
	39	11-Sep-2024		Fine Tuning Pre-trained Transformers
	40	12-Sep-2024		Weekly Project
9	41	15-Sep-2024	Large Language Models (LLMs)	Introduction to Large Language Models (LLM)
	42	16-Sep-2024		Introduction to Multi-Agent LLM
	43	17-Sep-2024		Retrieval Augmented Generation (RAG)
	44	18-Sep-2024		Multilingual Models
	45	19-Sep-2024		Weekly Project
10	46	22-Sep-2024	Advanced Deep Learning	Markov Decision Processes (MDPs)
	-	23-Sep-2024		Saudi National Day
	47	24-Sep-2024		Transformers
	48	25-Sep-2024		Location Intelligence
	49	26-Sep-2024		Weekly Project
11	50	29-Sep-2024	Machine Learning Operations (MLOps)	Introduction to MLOps
	51	30-Sep-2024		Version Control and API Creation
	52	1-Oct-2024		Docker Images and Containers, with CI/CD Pipeline
	53	2-Oct-2024		Advanced Model Deployment and Operational Management
	54	3-Oct-2024		Weekly Project
12	55	6-Oct-2024	Capstone Project	Final Presentations and Final Exams
	56	7-Oct-2024		
	57	8-Oct-2024		
	58	9-Oct-2024		
	59	10-Oct-2024		