

Class 1-48 Application & Game Development

Class 49-96 Web Development

Class 97-144 Artificial Intelligence Application

Game Development 1



Design a single player game application using sequence, variable, events and while loops.

Build a Game app

UI/UX Design 5



Build a static website by using animation and website elements.

Machine Learning 9



Create a fun filled application by applying basic concept of machine learning.

Application Development 2



Develop mobile application and learn the advanced concept of building mobile application by using functions and events.

Build a mobile app

Frontend Development 6



Build a responsive website by using bootstrap library, HTML5, CSS3 & JavaScript.

Natural Language Processing 10



Create a advanced level interactive application for speech-text-speech.

Native Application Development 3



Develop a native application using GUI designing and loops.

Build a native app

NASA APIS Integration 7



Build a interactive web application using NASA API, HTML5 & CSS3 with JavaScript.

Computer Vision 11



Create a advanced level interactive application for image recognition.

Chat bot Development 4



Develop chatbot using cloud services and learn the intent and database integration.

Full Stack Development 8



Build a real time web application using database, including HTML5, CSS3 & JavaScript.

Neural Networks 12



Create a advanced level interactive application for classification problem to detect emotion.

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Single Player Game

1



Build a basic game by applying fundamental concepts of coding including loops, conditional programming, variables and Game app function.

Build a Game app function.

Web Application Development

5



Build a dynamic website by using bootstrap library, HTML5, CSS3 & JavaScript.



python Programming

Learn the basic concepts of Python and create a interactive application using Python.

9

Multi Player Game

2



Build a multiplayer game by applying events loops and async interaction.

Build a Game app

Mobile Application Development

6



Build an application compatible on multiple devices using application development fundamentals.

Data Visualization

10



Learn data visualization visualizing data via data collection and manipulation.

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Native Games

3



Develop a native application using GUI designing and loops.

Build a native app

Form Website

7



Build a website where user can input and output data and handle the reports..

AI & Machine Learning

11



Kick off data science and master the art of modeling data for machine learning

Advanced Game Design

4



Develop a concept with instructor and develop game from scratch till end to have clear understanding.

Database enabled website

8



Build a website which can store data in database and can access too.

API Development

12



Create your own API endpoint to create a data service Application using Flask.

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Learn fundamental of python and use of different libraries including conditionals, functions, loop.

1

Inferential Statistics



Infer the output by doing Hypothesis testing.

5

K-Means - Clustering



Reduce the confusion of target variable by using K-Means applying Dunn Index.

9

Data Processing & Visualization



Visualize the data via Pandas and Numpy and visualize via different chart and plots.

2

Object Oriented Programming



Build library by applying OPPs concept of abstraction, polymorphism, inheritance and abstraction.

6

Hierarchical Clustering



Cluster the data based on features by applying dendograms, cluster analysis means and centroid.

10



Build an interactive application using string, tuple, list and directories.

3

Machine Learning - Regression



Forecast the data by using different regression algorithm like linear, SVM, Random forest.

7

Principal Component Analysis



Apply PCA algorithm to identify principle component from the complex set of data based on covariance.

11

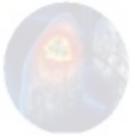
Correlation & Probability



Understand the correlation and probability based on the complex data.

4

Machine Learning - Classification



Predict the data by using different classification algorithm like logistic regression, SVM, Random forest.

8

Model Selection



Learn to choose the best prediction model by applying cross-validation and hyper-parameter tuning.

12

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