**Web Apps Beginner Projects**

1. HTML Basics
2. CSS Basics
3. JavaScript Basics
4. Node.JS Basics

**Web Apps Advanced**

1. Recipe Note Taking Project
2. Real Time Chat Messenger Project
3. Geo Social Media Project

**Web App References**

<https://www.w3schools.com/html/>

<https://www.w3schools.com/css/>

<https://www.w3schools.com/js/>

[https://www.w3schools.com/nodejs/](https://www.w3schools.com/nodejs/default.asp)

<https://www.udemy.com/course/build-web-apps-with-vuejs-firebase/>

**Python Beginner Projects**

1. Python Basics
2. Regular Expressions & Pattern Matching Project
3. Reading and Writing Files Project
4. Organising Files Project
5. Debugging Project
6. Web Scraping Project
7. Excel Spreadsheets with Python Project
8. PDF & Word Documents with Python Project
9. CSV & JSON Data with Python Project
10. Time, Tasks & Program Launching Project
11. Email & Text Message Project
12. Image Manipulation Project
13. Keyboard & Mouse GUI Automation Project

**Python Advanced Projects**

1. Artificial Intelligence
   1. Theory behind A.I
   2. Virtual Self Driving Car Project
   3. A.I Plays Doom Project
   4. A.I Plays Breakout Project
2. Computer Vision
   1. OpenCV Basics
   2. 3D world information from 2D images Project
   3. 2D feature detector project
   4. Video Analysis Project
   5. Object Detection Project
3. Deep Learning
   1. Customer Churn Project
   2. Image Recognition Project
   3. Fantasy Stock Price Predictor Project
   4. Fraud Investigator Project
   5. Recommender System Project
   6. Netflix Autoencoder Challenge Project
4. Web applications with Django
5. Physical Projects with Python on the Raspberry Pi

**Python References**

<https://www.w3schools.com/python/>

<https://automatetheboringstuff.com/>

<https://www.udemy.com/course/artificial-intelligence-az>

<https://docs.opencv.org/master/d9/df8/tutorial_root.html>

<https://www.udemy.com/course/deeplearning/>

<https://www.djangoproject.com/start/>

<https://realpython.com/python-raspberry-pi/>

Game Dev Beginner Projects

1. Unity & C# Basics
2. Gokart Game Project
3. Platformer Game Project
4. FPS Game Project
5. RPG Game Project
6. Stealth (Horror) Game Project
7. Multiplayer Games Project

Game Dev References

<https://learn.unity.com/>

<https://learn.unity.com/course/create-with-code>

<https://learn.unity.com/project/ruby-s-2d-rpg>

<https://learn.unity.com/project/john-lemon-s-haunted-jaunt-3d-beginner?start=true>

<https://www.youtube.com/watch?v=5LhA4Tk_uvI>

<https://www.youtube.com/watch?v=aTnBAzin9vE>