Projects in Various Domains of Python

Domain 1 – **GUI Projects**
Domain 2 – **Scrapping and Crawling Projects**
Domain 3 – **Django & Flasks Projects**
Domain 4 – **Python Game Development Projects**
Domain 5 – **Real World Live Bot Application Using Python**
Domain 6 – **Advanced Automation Projects**
Domain 7 – **API Based Python projects**
Domain 8 – **Convertor Applications**
Domain 9 – **Python DS ALGO Based Projects**
Domain 10 – **Python Machine Learning Projects**
Domain 11 – **Python Deep Learning Projects**
Domain 12 – **Python Data Science Projects**

GUI Based Projects

- **Email Editor GUI**
- **IPL Statistics GUI**
- **NSE Stocks GUI**
- **Password Manager GUI**
- **Digital Clock With GUI**
- **Age Calculator GUI**
- **Binary Calculator GUI**
- **Calculator GUI**
- **Calendar GUI**
- **Dictionary GUI**

Game Development Projects

- **Terminal Based Hangman Game**
- **Rock Paper Scissors Game**
- **Bubble Shooter Game**
- **Fidget Spinner Game**
- **Animal Quiz Game**
- **Brick Breaker Game**
- **Flames Game**
- **Hangman Game**
- **Snake Game**
- **Spaceship Game**

Scraping and Crawling Projects

- Scraping Medium Articles
- Scraping Hacker News
- Scraping Youtube Comments
- News Website Scraper
- Movie Information Scraper
- Linkedin-Email Scraper
- Linkedin Connection Scraper
- Youtube Trending Feed Scraper
- Instagram Scraper
- Wikipedia Scraper
- Money Control Scraper

Live Bot Applications

- Whatsapp Bot
- Automate Facebook Bot
- Instagram Liker Bot
- Google Classroom Bot
- Instagram Follow & Send Message Bot
- Telegram Bot
- Movie Info Bot
- Covid 19 Update Bot
- Discord Bot

Advanced Automation Projects

- **Work-Setup Automation**
- **Github Repo Automation**
- **SMS Automation**
- **Whatsapp Reply Automation**
- **Google Chrome Automation**
- **AWS Automation Script for AWS endorsement management**
- **Automatic FB Login**
- **Spreadsheet Automation**

API Based Projects

- **Google API**
- **Lyrics Genius API**
- **Page speed API**
- **Reddit API**
- **Twitter API**

Converter Based Projects

- **Convert XML to JSON**
- **Convert PNG images to .ico format**
- **Convert numbers to words**
- **Convert Pdf to text**
- **Convert JPEG to PNG**
- **Convert JSON to CSV**

Machine Learning Projects

- **Time Series – Covid-19 Cases Predictions for Next 30 Days**
- **Time Series – Stock Price Prediction using Linear Regression**
- **Time Series – Earthquake Prediction Model**
- **Time Series – Predict Migration**
- **Time Series – Weather Prediction Model**
- **Contact Tracing with Machine Learning**
- **Covid-19 Telegram Bot with Python**
- **Covid-19 Detection with Machine Learning**

- **Covid-19 Death Rate Analysis with Machine Learning**
- **HealthCare – Heart Disease Prediction**
- **HealthCare – Skin Cancer Classification**
- **HealthCare -Lung Segmentation**
- **HealthCare -Predict Diabetes**
- **Face Mask Detection using ML**
- **Face Expression Identifier**
- **Employee Turnover Prediction**
- **Earthquake Prediction**

Deep Learning Projects

- **1957 All Space Missions**
- **1 Million Sudoku Solver using neural nets**
- **Electric Car Temperature Predictor using Deep Learning**
- **Hourly energy demand generation and weather**
- **Caffe Face Detector - OpenCV**
- **Calculate Concrete Strength**
- **Stock Market Prediction**
- **Indian Startup data Analysis**
- **Earth Quack Prediction model**

- **Amazon Stock Price Deep Analysis**
- **Indentifying Dance Form Using Deep Learning**
- **Glass or No Glass Detector Model using DL**
- **Fingerprint Recognizer Model using DL**
- **World Currency Coin Detector Model using DL**
- **News Category Prediction using DL**
- **Lego Brick Code Problem**
- **Sheep Breed Classification using CNN DL**
- **Campus Recruitment Success rate analysis**
- **Bank Marketing**
- **Landmark Detection Model**
- **Pokemon Generation Clustering**
- **Cat & Dog Voice Recognizer Model**
- **Indian News Head Line Predictor**

Data Science Projects

- **Twitter Sentiment Analysis**
- **Credit Card Fraud Detection**
- **Stock Prediction**
- **Movie Recommendation System**
- **Human Activity Recognition Using Neural Networks**

- **Amazon Reviews for Sentiment Analysis**
- **Customer Segmentation**
- **Uber Drives London Customer Satisfaction Analysis.**
- **Grocery Sales Forecast**
- **Symptom Disease Sorting**
- **General Election Poll Analysis**
- **BigMart Sales Analysis**
- **Covid-19 Latent Period Exploration**
- **IPL Data Analysis**
- **Forbes Heighest Paid Athletes speeding analysis.**
- **Network Analysis using Deep Learning**
- **Hillary Clinton and Donald Trump Tweets**
- **Predict Star Types**
- **Twitter Us Airline Sentiment Analysis**
- **London based Hotel Revenue Analysis.**
- **US Candy Production by Month**
- **Air Quality Index Analysis**

Note:

- **All Projects Come with Source Code in Python3 in .py or .ipynb format.**
- **Each Python Projects Comes with proper documentation & requirement file.**
- **For ML, DL & DS parts each project comes with Dataset and required documentation.**

Complete List of Machine Learning Projects

ML Project 1 – Time Series – Covid-19 Cases Predictions for Next 30 Days
ML Project 2 – Time Series – Stock Price Prediction using Linear Regression
ML Project 3 – Time Series – Earthquake Prediction Model
ML Project 4 – Time Series – Predict Migration
ML Project 5 – Time Series – Weather Prediction Model
ML Project 6 – Contact Tracing with Machine Learning
ML Project 7 – Covid-19 Telegram Bot with Python
ML Project 8 – Covid-19 Detection with Machine Learning
ML Project 9 – Covid-19 Death Rate Analysis with Machine Learning
ML Project 10 – HealthCare – Heart Disease Prediction
ML Project 11 – HealthCare – Skin Cancer Classification
ML Project 12 – HealthCare -Lung Segmentation
ML Project 13 – HealthCare -Predict Diabetes
ML Project 14 – Face Mask Detection using ML
ML Project 15 – Face Expression Identifier

ML Project 16 – Employee Turnover Prediction
ML Project 17 – Earthquake Prediction
ML Project 18 – Software Developer Salary Prediction.
ML Project 19 – Advanced Credit Card fraud Detection
ML Project 20 – Cotton Disease Prediction
ML Project 21 – NLP Disaster or Not Disaster
ML Project 22 – Outliers Detection
ML Project 23 – Titanic Dataset & Advanced Analysis.
ML Project 24 – Boston Housing Analysis
ML Project 25 – Pneumonia Classification
ML Project 26 – Gold Price Prediction.
ML Project 27 – Rain Fall Prediction
ML Project 28 – IPL First Inning Score Predictor.
ML Project 29 – Live Smile Detector
ML Project 30 – Spam Classifier
ML Project 31 – Student Performance Analysis
ML Project 32 – Text Summarization(Medium)
ML Project 33 – Time Series Forecasting
ML Project 34 – Time Series With LSTM

ML Project 35 – Indian Cricket Team Player's Next Match Performance Prediction.

ML Project 36 – Titanic Survival Prediction

ML Project 37 – Tracking of Covid-19 in Animals.

ML Project 38 – Traffic Sign Recognition

ML Project 39 – Wine Quality Prediction

ML Project 40 – XGBoost Algorithm (Detailed Modification)

ML Project 41 – Customer Segmentation

ML Project 42 – Breast Cancer Detection

ML Project 43 – Car and Pedestrian Tracker

ML Project 44 – Car Price Prediction

ML Project 45 – Cifar-10

ML Project 46 – Income Classification using ML

ML Project 47 – 50_startups Success Rate Prediction

ML Project 48 – Bigmart Sales Prediction Analysis

ML Project 49 – Wine Quality Prediction Analysis

ML Project 50 – Turkiye Student Evaluation Analysis

ML Project 51 – Traffic Forecast

ML Project 52 – Million Songs Dataset

ML Project 53 – Loan Prediction Analysis

ML Project 54 – Iris dataset analysis
ML Project 55 – Image to Text Conversion & Extraction
ML Project 56 – Face Detection (OpenCV)
ML Project 57 – Imdb sentiment review Analysis using ML
ML Project 58 – Boston Housing Prediction Analysis
ML Project 59 – Black Friday Sales Prediction Analysis
ML Project 60 – Bike Sharing Demand Analysis
ML Project 61 – Data Scientist's Salary Prediction
ML Project 62 – Diabetes Classification
ML Project 63 – Heart Disease Prediction
ML Project 64 – First Innings Score Prediction
ML Project 65 – Mall Customer Segmentation
ML Project 66 – Predicting Admission into UCLA
ML Project 67 – Predicting House Prices in Bengaluru
ML Project 68 – Advandced Hyper parameter Tuning
ML Project 69 – House Price Prediction Detailed Analysis
ML Project 70 – (HealthCare) Heart Disease Prediction
ML Project 71 – Sentiment Analysis
ML Project 72 – Clustering – Mall Customer Segmentation
ML Project 73 – Clustering – K-Means Clustering for Imaginary Analysis.
ML Project 74 – China GDP Estimation
ML Project 75 – Clustering -Turkiye Student Evaluation Analysis

ML Project 76 – SMS Spam Detection Analysis
ML Project 77 – Text Summarization using Word Frequency
ML Project 78 – California Housing
ML Project 79 – Ad Demand Forecast
ML Project 80 – Article Recording System.
ML Project 81 – Auto encoder for customer churn
ML Project 82 – Bayesian Logistic Regression Bank marketing
ML Project 83 – Bayesian Statistics Python_PyMC3_ArviZ
ML Project 84 – BOW TFIDF XGboost Update
ML Project 85 – Auto encoder For Bank Employee Retention.
ML Project 86 – (Conceptual) machine learning spaCy
ML Project 87 – Mercari Price Suggestion Lightgbm
ML Project 88 – Modeling House Price with Regularized Linear Model XGboost
ML Project 89 – (Conceptual) Nhanes Confidence Intervals
ML Project 90 – (Conceptual) Nhanes hypothesis testing
ML Project 91 – (Conceptual) Practical Statistics House Demand Analysis.
ML Project 92 – Price Elasticity of Demand Analysis
ML Project 93 – Promotional Time Series
ML Project 94 – (Conceptual) PySpark Advance Algorithms Practice

ML Project 116 – Customer_Segmentation_Online_Retail
ML Project 117 – Customer_Segmentation_Whosale
ML Project 118 – Employee_Turnover
ML Project 119 – Granger Causality Test
ML Project 120 – H2O Higgs Boson.ipynb
ML Project 121 – Logistic Regression balanced
ML Project 122 – LSTM Time Series Power Consumption
ML Project 123 – Machine Learning for Diabetes
ML Project 124 – Movies Recommendation system
ML Project 125 – Language Translation Model using ML
ML Project 126 – U.S. Gasoline and Diesel Retail Prices 1995
ML Project 127 – Twitter Sentiment Analysis
ML Project 128 – Image_Caption_Project
ML Project 129 – 3-Way Sentiment Analysis for Tweets
ML Project 130 – 911 Calls – Exploratory Analysis.
ML Project 131 – 2016 General Election Poll Analysis
ML Project 132 – Cross Language Information Retrieval
ML Project 133 – Digit Recognition Model
ML Project 134 – Stock Market Analysis for Tech Stocks
ML Project 135 – Time Series – Indian Nifty Next 25 day Performance
Prediction.

ML Project 136 – Introvert & Extrovert People clustering based on Social media activity.
ML Project 137 – Image to Text Conversion & Extraction
ML Project 138 – Auto encoder Fashion MNIST
ML Project 139 – Movie Recommendation Engine
ML Project 140 – Spam Email Classification
ML Project 141 – Traffic Sign Recognizer
ML Project 142 – 2021 Forbes 100 Billionaires Wealth Spending Analysis.
ML Project 142 to 153 – Conceptual Case Studies & Analysis (Clustering, Associate Rule Learning & Classification)

Complete List of Deep Learning Projects

DL Project 1 – (HealthCare) Pneumonia Detection
DL Project 2 – Advanced rsnet50
DL Project 3 – Cat Vs Dog
DL Project 4 – Keep Babies Safe
DL Project 5 – (HealthCare)Covid-19 Drug Recovery using Deep Learning
DL Project 6 – Face, Gender & Ethnicity recognizer model
DL Project 7 – Happy house Predictor model
DL Project 8 – (HealthCare)Brain MRI Segmentation modeling
DL Project 9 – Parkinson Post Estimation using deep learning
DL Project 10 – (HealthCare)Diabetic Retinopathy project
DL Project 11 – Arabic character reorganization using deep learning
DL Project 12 – Face Mask Detection
DL Project 13 – (HealthCare)Brain Tumor Reorganization using Deep Learning
DL Project 14 – Image Walking or Running
DL Project 15 – 1957 All Space Missions
DL Project 16 – 1 Million Sudoku Solver using neural nets

DL Project 17 – Electric Car Temperature Predictor using Deep Learning
DL Project 18 – Hourly energy demand generation and weather
DL Project 19 – Caffe Face Detector (OpenCV Pre
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DL Project 35 – Pokemon Generation Clustering
DL Project 36 – Cat & Dog Voice Recognizer Model
DL Project 37 – Indian News Headline Predictor

DL Project 38 – Bottle or Cans Classifier using DL
DL Project 39 – (HealthCare)Skin Cancer Recognizer using DL
DL Project 40 – Image Colorization using Deep Learning
DL Project 41 – Amazon Alexa Review Sentiment Analysis
DL Project 42 – Build Chatbot using Neural Network
DL Project 43 – Cactus or Not Cactus Ariel Image Recognizer
DL Project 44 – Build Clothing Prediction Flask Web App
DL Project 45 – Build Sentiment Analysis Flask Web App
DL Project 46 – Customer Segmentation using RFM and K-Means Models
DL Project 47 – Chatbot With Deep Learning
DL Project 48 – (HealthCare) COVID-19 Lungs CT Scan Result Recognizer.
DL Project 49 – Movies Title Prediction
DL Project 50 – Advanced Churn Modeling
DL Project 51 – (HealthCare) Disease Prediction Model
DL Project 52 – IMDB Sentiment Analysis using Deep Learning