SKILL<S/ASH>

FULL STACK
APPLIED AI AND ML PROGRAM

TRAINING WITH WORK EXPERIENCE FROM INDUSTRY.

- 9 MONTHS OF LIVE INTERACTIVE SESSIONS
- DOMAIN SPECIFIC PROJECTS WITH CERTIFICATE
- BUILD YOUR OWN COURSE & PROJECT

TABLE OF CONTENTS

ABOUT US

We at Skillslash Academy, understand the need of the students for practical experience in today's competitive world. Along with academic knowledge, hands-on work is necessary for any person to depict the effectiveness of their skillset. Hence, we believe in providing quality courses from highly skilled faculty who are hired based on their industry as well as academic proficiency.

Our Full Stack applied AI and ML program features directly working with top companies/startups from the industry on real-time projects which would enhance your profile and drastically increase the chances of landing a job in the data science field.

PROGRAM HIGHLIGHTS

Projects & certification.

Work on projects with top startups and receive a certificate.

Domain specialized Tracks

Work in your domain for a career transition in Data Science.

Get Hired

Crack interviews in the top tier-1 product-based MNCs.

Build Your Own Course

Create your personalized learning track.

Get Job referrals

Receive guaranteed Job Referrals in top companies.

Bring Your Own Project

Bring your own project ideas and it can be worked on by fellow students.

PROGRAM DETAILS

PROGRAM ELIGIBILITY

- ✓ Working experience of 1+ years is recommended.
- ✓ Basic computer knowledge.
- ✓ Some understanding of High School level of Mathematics.

WHO SHOULD APPLY?

- ✓ Professionals from any industry looking to switch into a Data Science role.
- ✓ Data Scientists looking to upskill their knowledge.
- ✓ People wanting to pursue a Master's or Doctorate program in Data Science.

PROGRAM PREREQUISITE

No prerequisite is required as we cover everything from basics.

FEES & DURATION:

WEEKDAY BATCHES: 8 MONTHS

MONDAY to FRIDAY: 2 Hours/Day.

WEEKEND BATCHES: 10 MONTHS

SATURDAY & SUNDAY: 3 Hours/Day

PROGRAM FEES:

89000/- (Plus GST)

To know more about scholarships, discounts or next batch details;

LIVE CHAT ON WHATSAPP

BOOK A SLOT WITH AN EXPERT FOR REVIEW AND COUNSELLING

Telephonic: 20 minutes

Book a slot with expert

AGENDA FOR COUNSELLING:

- ✓ Is Data Science right for you?
- ✓ Can a non-programmer learn AI?
- ✓ Is it worth investing this amount of money?
- ✓ About project experience in AI/ML.

WHAT MAKES OUR PROGRAM UNIQUE ?

PROJECT EXPERIENCE CERTIFICATE

- ✓ Work directly with top companies on Live Projects and get hands-on experience.
- ✓ Earn a project experience certificate by working alongside top startups to show it as a genuine work experience and enhance your profile.
- ✓ Stand out among applicants with a strong portfolio backed by useful skills and relevant work experience.

WHAT MAKES OUR PROGRAM UNIQUE ?

DOMAIN SPECIALISATION

- ✓ Choose a domain-specific industry of your choice and background.
- ✓ Identify a functional area or target industry to specialise in and to work on multiple graded projects.
- ✓ Learn about the application of Data Science in your choice of domain industry to get hands-on experience and gain knowledge from industry experts.
- ✓ Go through our unique domain-specific/ industry training sessions for a smooth transition in data science.

WHAT MAKES OUR PROGRAM UNIQUE ?

BRING YOUR OWN PROJECT (BYOP)

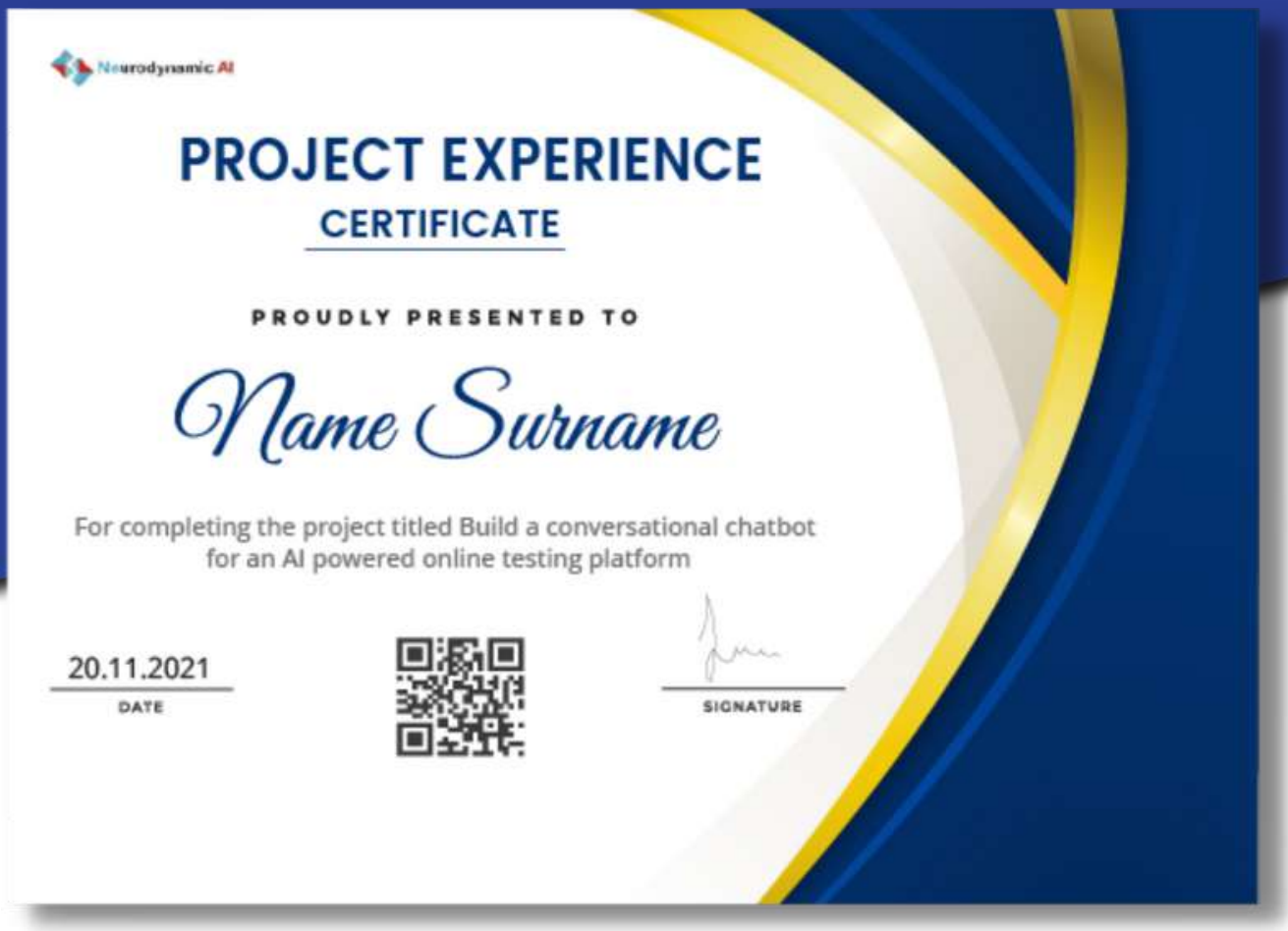
- ✓ Learners have an option to bring their project ideas which can be worked upon by fellow students under our expert's guidance to achieve a certain goal.
- ✓ Become a Decision Maker to use this opportunity to get a POC done along with a certificate.

BUILD YOUR OWN COURSE (BYOC)

- ✓ Get a Personalised focus learning track depending upon your profile.
- ✓ Get access to the entire course even after completion.

ABOUT PROJECT CERTIFICATION

- ✓ Work directly with top companies on Live Projects and get hands-on experience.
- ✓ Earn a project experience certificate by working alongside top startups to show it as a genuine work experience and enhance your profile.
- ✓ Stand out among applicants with a strong portfolio backed by useful skills and relevant work experience.



RECOMMENDED BY INDUSTRY EXPERTS

Amritansh
Founder of Neurodynamic AI.

SkillSlash is bringing some refreshing changes to the professional training industry. Courses for the industry really needs to come from the industry which is what Skillslash are doing.

Abhas Kumar
CEO at Therox Dynamics

The SkillSlash team's core mission of building an affordable up-skilling platform will very likely bring transformative change in the way people look at professional courses.

RECOMMENDED BY INDUSTRY EXPERTS

Arghya Mukhrjee

Associate Director at WNS at Global/CPG & Retail.

SkillSlash will transform how people approach up-skilling. Their program has an optimal mix of theory and practical learning – but the best part is their collaboration with industry.

Ankita Ranjan

Senior Analytics Consultant at Accenture.

I have been waiting for an industry driven training program that I can recommend to peers in my company. Finally, this is a solution, I resonate with and can vouch for.

Hemant Agarwal

Associate at Goldman Sachs.

The team at SkillSlash has the right experience set to build a new age ed-tech platform. Their mentors are alumni of some of the top colleges with loads of relevant experience. Kudos to them for such initiative.

ALUMNI REVIEWS

Mr Akarsh Srivastava

The 1 on 1 counselling, provided by SkillSlash before joining helped me a lot by creating my own Data Science path with much ease and in turn helped me to develop top of the line industry skills.

Ms Meenakshi Vashishta

At SkillSlash, the courses helped a lot by educating me on fields like statistics and programming. This helped me in an effective transition from electrical engineering to Data Science.

Mr Mrinal Sahay

The spotlight has been the Live sessions, these made me feel more comfortable while learning and the industry project gave me an advantage in getting placed.

Mr Pragyan Prakash

I found the course as one of the greatest investments of my time. The instructors are experienced people from the industry who helped me learn and grow.

HOW TO APPLY?

1

TALK TO OUR ADMISSION EXECUTIVE

Contact our admission team for details regarding eligibility, queries, certification etc.

REQUEST A CALLBACK

CHAT ON WHATSAPP

2

APPLY FOR PROFILE REVIEW

Attend personalized career counselling and profile review session with an expert.

NOTE: You can attend this session online.

APPLY FOR PROFILE REVIEW

3

PAY & ENROL

Contact our admission officer for discount coupon and scholarship options after which you can enrol for the program.

ENROL FOR THE PROGRAM

MILESTONES

00

Basics of programming and statistics.

2 WEEKS

Python + ML + Applied statistics

16 WEEKS: 4 MONTHS

01

02

Advanced ML + Auto ML

10 WEEKS: 2.5 MONTHS

Deep Learning + NLP + Computer Vision + Reinforcement Learning + Risk in AI

12 WEEKS: 3 MONTHS

03

04

Work experience

3+ MONTHS

MODULES

- BASIC MATHS
- STATISTICS
- MACHINE LEARNING
- DEEP LEARNING USING TENSORFLOW
- TIME SERIES ANALYSIS AND FORECASTING
- NATURAL LANGUAGE PROCESSING
- COMPUTER VISION
- REINFORCEMENT LEARNING
- RISK MANAGEMENT

R | SQL | python | tableau | Power BI | AWS | github

DOMAIN FOR REAL TIME INDUSTRIAL PROJECT

- BANKING
- HEALTHCARE
- SUPPLYCHAIN
- E-COMMERCE
- FINANCE
- RETAIL
- INSURANCE

INTERVIEW QUESTIONS & JOB ASSISTANCE PROGRAM

- RESUME BUILD - UP
- MOCK INTERVIEWS
- JOB REFERRALS

MODULE 0

Basics for Data Science

1. PROGRAMMING INTRODUCTION

Source code Vs bytecode Vs machine code, Compiler Vs Interpreter, C/C++, Java Vs Python.

2. CODE EDITORS BASICS

Different type of code editors in python, Introduction to Anaconda and IDEs.

3. PYTHON BASICS

Variable Vs Identifiers, Strings Operators Vs Operand, Procedure oriented Vs Modular programming.

4. STATISTICS BASICS & PROBABILITY

Measures of Central Tendency & dispersion, Inferential statistics and Sampling theory.

MODULE 1

Programming Essentials

1. PROGRAMMING INTRODUCTION

Different types of Programming Language, What is Compiler? What is an Interpreter?

2. PYTHON INTRODUCTION

How a Python Program runs on our system?, Features of Python Memory Management in Python, Different Implementations of Python.

3. CONDITIONAL AND LOOPS

Conditional Statement, Loop Statement.

4. PYTHON PROGRAMMING COMPONENTS

Linting, formatting, understanding Python code, Command Line Arguments, Python Operators.

cont...

5. FUNCTION

Working with functions, Parameters vs Arguments, Namespace vs Scope, Function call vs Function referencing.

6. EXCEPTION HANDLING

Introduction to Exception Handling, Type of Errors, Nested try-except block & Default except for block.

7. MODULES IN PYTHON

Introduction to Modular Programming, Importing Modules and different import statement, Types of Modules.

8. FILE HANDLING

Use of File Handling?, Type of Files, File Operation, What is File Handling?, Why do we need File Handling?, Type of Files, File Operation.

9. REGULAR EXPRESSION

Intro & use of Regular Expression?, Regex module & important methods, Regex pattern and it's interpretation.

10. NUMPY IN PYTHON

Intro & use of numpy, What is an array?, Array Operations using Numpy, Numpy and Scipy, Numpy and Pandas.

11. PANDAS IN PYTHON

Numpy vs Pandas, Exporting Dataframe to CSV and Excel, EDA using Pandas.

12. MatplotLib

Lines & markers, Figures, Axes and subplots, Watermark, shapes, polygons and arrows Color maps, Autocorrelation study.

13. Seaborn

Working with seaborn on titanic dataset, Introduction & installation, Controlling figure asthetics, Different plots in seaborn.

14. Other visualisation libraries

Plotly, Pygal, Geopltlib etc.

MODULE 2

Applied Statistics

1. Probability and Statistical Inferences

Random Variables and Probability principles, Discrete & continuous Probability Distributions, Joint and Conditional Probabilities, Bayes theorem and Central Limit Theorem.

2. Statistics foundations

Elements of Descriptive & Inferential Statistics, Measures of Central tendency and Dispersion, Sampling theory and scales of measurement, Covariance and correlation.

3. Hypothesis Testing Applications

Formulation of Hypothesis, Choice of Test - t test vs z test, Chi-squared and F tests, Evaluation of Test, Confidence Intervals, Type 1 and 2 errors.

4. Exploratory Data Analysis

Ingest data, Data cleaning, Outlier detection & Missing value imputation, Project - Exploratory analysis on Credit card data, Capstone Project for Business Analysis.

MODULE 3

Introduction to Machine Learning

1. Primer on Machine Learning

Supervised, Unsupervised and Reinforcement learning, Statistics vs Machine Learning, Types of Analysis, Bias Variance Trade-off, Overfitting vs Underfitting.

2. Regression

Correlation vs Causation, Types of linear regression, OLS Estimation and Gradient descent, Model Evaluation Metrics for regression problems.

cont...

3. Classification

Introduction to Classification problems, Logistic Regression for Binary problems, Maximum Likelihood estimation, confusion matrix, Data Imbalance and redressal methodology, Upsampling , Downsampling and SMOTE.

4. Clustering - K means

Introduction to Unsupervised Learning, Hierarchical and Non-Hierarchical techniques, K Means Algorithms, Model Evaluation metrics – Clustering.

5. KNN

Introduction to KNNs, KNNs as a classifier, Non-Parametric algorithms and Lazy learning ideology, Applications in Missing value imputes and Balancing datasets.

6. Advanced Regression Models

Introduction to regularization, Understanding ridge regression, Working with Lasso regression, Tackling multicollinearity with regression.

7. Decision trees

Intro to decision trees & Greedy Algorithms, Information Theory - Measures of Impurity, Susceptibility to overfitting and high variance, Pruning and Truncation.

8. Ensemble techniques

Introduction to Bagging, Bootstrap Aggregation and Out of Bag error, Random Forests, Scent and boosting.

9. Support Vector Machines

Introduction to Expectation–Maximization Algorithms, The kernel tricks, Linear, Polynomial, and RBF kernels, SVMs for regression and classification, Applications in Multiclass classification.

10. Bayesian Family Algorithms

Naive Bayes for Text classification, Bag of words and TF-IDF algorithm, Multinomial and Gaussian Naive Bayes, Bayesian Belief networks and Path models.

cont...

11. Time-series Analysis

Intro to Time series. Autocorrelation and ACF/PACF plots, The Random Walk model and Stationarity of Time Series, Tests for Stationarity - ADF and Dickey-Fuller test, AR, MA, ARIMA, SARIMA models, A regression approach to time series forecasting.

12. Machine Learning pipeline & auto ML

Feature engineering & selection techniques, Principal Component Analysis, Linear Discriminant Analysis, Serving the model via Rest API & Keras.

MODULE 4

Deep Learning

1. Neural Networks

Introduction to Neural Networks, Layered Neural networks, Activation Functions and their application, Backpropagation and Gradient Descent.

2. TensorFlow

Introduction to TensorFlow, Working with TensorFlow, Linear regression with TensorFlow, Logistic regression with TensorFlow.

3. Deep Neural Networks

Designing a deep neural network, Loss Function, Tools for deep learning models - Tflearn and Pytorch, The problem of Exploding and Vanishing gradients.

4. Convolutional Neural networks

Architecture and design of a Convolutional network, Deep convolutional models & image augmentation.

cont...

5. **Recurrent Neural networks and LSTMs.**

RNN & LSTM structure, Bidirectional RNNs and Applications on Sequential data, Advanced Time series forecasting using RNNs with LSTMs, LSTMs vs GRUs.

6. **Recurrent Neural networks and LSTMs**

Intro to RBMs, Autoencoders, Application of RBMs in Collaborative filtering, Autoencoders for Anomaly detection, Capstone Project - Self-driving cars, Facial recognition.

MODULE 5

NLP

1. **Language modelling**

Intro to the NLTK library. N-gram Language models: Perplexity and Smoothing, Introduction to Hidden Markov models, Viterbi algorithms, MEMMs and CRFs for named entity recognition, Neural Language models, Application of LSTMs to predict the next word.

2. **Vector space models**

Explicit and Implicit matrix factorization, Word2vec and Doc2vec models.

3. **Sequence to Sequence tasks**

Introduction to Machine translation, Natural language processing, NLP with machine translation for text analysis, Word Alignment models, Encoder-Decoder Architecture, How to implement a conversational Chatbot.

4. **Capstone Project**

Fully functional chatbot, Front end, backend and deployment process for chatbot.

MODULE 6

Reinforcement Learning

1. What is RL? - High-level overview.
2. The multi-armed bandit problem and the explore-exploit dilemma.
3. Markov Decision Processes (MDPs).
4. Dynamic Programming, Monte Carlo Control.
5. Temporal Difference (TD) Learning (Q-Learning and SARSA).
6. Approximation Methods (i.e., how to plug in a deep neural network or another differentiable model into your RL algorithm).

MODULE 7

Computer Vision

1. Mathematics for Computer Vision.
2. Introduction to Transfer Learning.
3. R-CNN and RetinaNet models for Object detection using TensorFlow.
4. FCN architecture for Image segmentation.
5. IoU and Dice score for model evaluation.
6. Face detection with OpenCV.

MODULE 8

Explainable AI & Risk Management

1. Ethical Risk Analysis - Identification and Mitigation
2. Managing Privacy risks
3. Modelling personas with minimal private data sharing.
4. Homomorphic encryption and Zero-Knowledge protocols.
5. Managing accountability risks
6. Managing Transparency and Explainability risks

MODULE 9

Tools

Excel for business

1. **Excel Fundamentals**

   Introduction to Excel interface, Customizing Excel Quick Access Toolbar, Structure of Excel Workbook, Excel Menus, Working with worksheets, Protecting a Workbook, Hiding and Unhiding Columns, Rows and Sheets, Splitting and Freezing a Window, Inserting Page Breaks, Advanced Printing Options, Common Excel Shortcut Keys, Quiz.

2. **Worksheet Customization**

   Adjusting Page Margins and Orientation, Creating Headers, Footers, and Page Numbers, Adding Print Titles and Gridlines, Formatting Fonts & Values, Adjusting Row Height and Column Width, Working with border and alignment, Applying Colours and Patterns, usage of painter, Formatting data, Merging Cells, Rotating Text, Using Auto Fill.

cont...

3. Images and Shapes into Excel Worksheet

Inserting Excel Shapes, Formatting Excel Shapes, Inserting Images, Working with Excel SmartArt.

4. Basic work on Excel

Entering and selecting values. Using numeric data in excel. Working with forms menu, cell references, conditional formatting and data validation, Finding and replacing information from worksheet, Inserting & deleting cells, rows and columns.

5. Excel Formulae

Creating basic formulae in excel, Implementing excel formulae in worksheet, Relative cell referencing, Absolute cell referencing, Relative vs Absolute cell references in formulae, Understanding the order of operation, Entering and Editing text, Fixing errors in your formulae, Formulae with several operators, Formulae with cell ranges., Quiz.

6. Excel Functions

Working with functions like SUM(), AVERAGE() etc., Adjacent cells error in excel calculations, Use of AutoSum & autofill command, Quiz.

7. Charts and graphs

Creating a column chart, pie chart, Working with the excel chart ribbon, Working with and on charts in sheets, Changing a chart's source data, Adding titles, gridlines and a data table, Formatting a data series and chart axis, Using fill effects. Changing a chart type, Quiz.

8. Support Vector Machines

Intro to Pivot Tables, Structuring Source Data for Analysis in Excel, Creating a PivotTable, Exploring Pivot Table Analyse & Design Options, Working with and on pivot tables, Dealing with Growing Source Data, Enriching data with Pivot table calculated values & fields, Formatting and charting a PivotTable, Pivot Table Case Study, Quiz.

cont...

9. Basic Macros

Introduction to macros, Automating Tasks with Macros, Recording a Macro, Playing a Macro, Assigning a Macro a Shortcut Key.

SQL & MongoDB for business

10. Introduction to SQL

Working with MySQL, DDL, TCL, DML commands, Relational and database schema, Working with keys, Database manipulation, management, and administration.

11. NoSQL Databases

What is HBase?, HBase Architecture, HBase Components, Storage Model of HBase, HBase vs RDBMS, Introduction to Mongo DB, CRUD, Advantages of MongoDB over RDBMS, Use cases.

12. SQL Database

Introduction to database, Creating Database, Dropping Database, Using Database, Introduction to Tables, Data types in SQL, Use case of different data, Working with tables, Coding best practices in SQL.

13. SQL Fundamental Statements

Working with SQL statements like NOT, IN etc., Comparison Operators (=, >, >=, <=), MySQL Warnings (Understand and Debug).

14. Refining Selection

Introduction to visualisation using charts and graphs, SELECT DISTINCT, LIKE, NOT LIKE, ILIKE, LIMIT, BETWEEN, BETWEEN – AND.

15. SQL Statements & functions

Multiple INSERT, INSERT INTO. GROUP BY, HAVING, WHERE vs HAVING, UPDATE, DELETE, AS, EXISTS-NOT EXISTS, Application of group by, Count function, MIN and MAX, Sum Function, Avg Function

16. JOINS & string function

Introduction to JOINs, Types of JOINS, Usage of different types of JOINS, Loading Data, Usage of string functions like; CONCAT, SUBSTRING etc., INNER Join, OUTER Join, Full Join, Left Join, Right Join, UNION.

cont...

17. Advance SQL.

Local, Session, Global Variables, Timestamps and Extract, CURRENT DATE & TIME, EXTRACT, AGE, TO_CHAR, Mathematical Functions and Operators, CEIL & FLOOR, POWER, RANDOM, ROUND, SETSEED, Operators and their precedence.

18. Basics and CRUD Operation

Databases, Collection & Documents, Shell & MongoDB drivers, What is JSON Data, Create, Read, Update, Delete, Working with Arrays, Understanding Schemas and Relations.

19. MongoDB

What is MongoDB?, Characteristics, Structure and Features, MongoDB Ecosystem. Installation process, Connecting to MongoDB database, What are Object Ids in MongoDb, Data Formats in MongoDB, MongoDB Aggregation Framework, Aggregating Documents, What are MongoDB Drivers?, Finding, Deleting, Updating, Inserting Elements.

TABLEAU for business

20. Introduction to TABLEAU

Usage of TABLEAU, Exporting worksheets, charts in TABLEAU (bar, pie, histogram), Creating dashboard pages and tricks, Hands on exercise

21. Data Types in TABLEAU

Aggregation and Granularity, Pre-attentive processing, Length and position, Implementation, Advance table calculations, Creating multiple joins in Tableau, Relationships vs Joins, Calculated Fields vs Table calculations, Creating advanced table calculations, Adding a second layer moving average, Trendlines for power-insights.

22. Mapping and Analytics

Getting started with visual analytics, Geospatial data, Mapping workspace, Creating a map, working with hierarchies, Custom geocoding, WMS and Background, Image Creating a Scatter Plot.

cont...

23. Calculations

Aggregation and its types, level of detail, common calculation functions, creating parameters.

24. Dashboard and Stories

Tiled vs Floating, Working in views with Dashboard and stories, Legends, Quick filters.

Power BI for Business

25. Introduction to Power BI

Account Types, Installing PowerBI, Data Model, Query Editor.

26. Query Editor

Connecting power BI desktop to datasource, working with column, filters & rows, Query duplicate vs References

27. Power BI

Power BI, Working with Time series, Understanding aggregation and granularity, Filters and Slicers in Power BI, Maps, Scatterplots and BI Reports, Creating a Customer Segmentation.

28. Data Models

Relationships, DAX, M-Language, Measures, Operators & Syntax, Understanding “Data category”

29. Time Intelligence

Create data table in M and DAX, Display last refresh Date.

30. Modelling

Create report, modelling, Normalisation, De-normalisation, OLTP vs OLAP, star and snowflake schema

REAL - TIME PROJECTS

1.Predict credit default.

Domain: Banking

Project Objective: Develop a prediction model for identifying probable credit default for a retail bank.

The bank has a huge dataset of credit card customers. It wants you to identify the existing customers who may default on the payments in the future.

2.Google Mobility data - Impact of mobility on COVID-19.

Domain: Healthcare

Project Objective: Identification of COVID-19 surge in cases based on mobility within the country

The goal is to study the pattern of COVID-19 cases in different regions in India using Google mobility data to study the impact of policy changes.

3.Uber - fare prediction

Domain: Travel

Project Objective: Predicting fare price based on demand and supply, weather and other factors.

You will have to analyse the data of the ride sharing applications to identify the factors that are driving the demand. Use weather data to study the pattern and create a model to predict the accurate fare for the ride.

4. Telecom customer churn prediction

Domain: Telecom

Project Objective: Predict the behavior of customers to identify the probability of churn.

The telecom company wants to predict the customer's behaviour to predict and retain the customer before churning off. You will have to predict the group of people who are highly probable of churning off.

5. Amazon Food Reviews

Domain: Marketing

Project Objective: Classify food reviews based on customer feedback.

You will perform sentiment analysis on each product on the list. Here you will use NLP to identify the sentiment of customers.

6. Olist store – Marketing Funnel

Domain: Sales and Marketing

Project Objective: Predict the deals that will be closed.

The list generates data from lead generation to the closure of the lead as a customer.

7. Mercedes-Benz – Reduce time to market

Domain: Automobile

Project Objective: Reduce the time for a Mercedes-Benz to reach the market by optimizing the testing time.

The company is unable to reduce the time spent on the test bench. Elimination of bench time would reduce the total testing duration.

8. Heavy Machine predictive maintenance

Domain: Manufacturing

Project Objective: The objective is to predict the failure of the machine in advance.

A predictive maintenance technique is developed to help anticipate equipment failures and allow for advanced scheduling of corrective maintenance. You will predict which day is a failure day in advance based on the features.

9. Predict heart failure

Domain: Healthcare

Project Objective: Predict mortality caused by heart failure.

Cardiovascular diseases (CVDs) are the number 1 cause of death globally and heart failure is the most common event caused. Your task will be to create a model that could predict heart failure before its occurrence that could help the society.

10. Customer satisfaction on delivery system

Domain: E-Commerce Delivery

Project Objective: Predict the satisfaction level of customers.

There are different factors that are involved in e-commerce product delivery. This analysis will predict the factors that are affecting the satisfaction level of customers on the delivery.

11. Reddit - Vaccine myths on social media

Domain: Healthcare

Project Objective: Sentiment analysis of Vaccine on social media.

There are a lot of myths and sentiments rolling on social media with respect to Vaccination in the country. You will identify the sentiment of people on Reddit and identify the myths circulating on the media channel.

12. YouTube trending video analytics

Domain: Social Media.

Project Objective: YouTube trending video analytics Video analytics

: This is a daily record of data on videos trending on YouTube. You are required to analyze the data to predict the sentiment of the videos, study the comments by categorizing the videos and analyze the factors that affect the popularity of the video.

13. Infected or not Infected

Domain: Healthcare.

Project Objective: Study the human cell to identify whether it is infected or not infected.

You will study the repository of images and shall recognize on the new samples that it is infected or not infected.

14. Google Play Store Apps success factors

Domain: App Store

Project Objective: Predict the factors that contribute to the success of an application on Google play store.

This dataset comprises of information from Google play store. Your task will be to draw actionable insights for developers to work on and capture the Android market segment.

15. Spotify – Identify the songs related to

Domain: Media & Entertainment.

Project Objective: Find a Geographical connection with popular songs.

You will work on the dataset with 10 million records that will contain the data from 70 countries. Analyze and identify the geographical connection with the popular songs.

16. TAU – Vehicle type recognition from image

Domain: Image Recognition (Road).

Project Objective: Determine the vehicle type.

You are going to train a model with training data such that it predicts a new image of the vehicle accurately.

17. Machine Translation

Domain: Media

Project Objective: Perform text translation, text parsing and summary of the books.

This dataset can be used for tasks like Machine Translation, Text Generation, Text Parsing and Sematic Understanding of Natural Language.

18. Predict bankruptcy of a company

Domain: Corporate Finance.

Project Objective: Model to predict whether a company will go bankrupt or not.

Company bankruptcy is defined based on the business regulations in the country. You will work on detailed data with 95 attributes collected to predict whether a company may go bankrupt or not.

19. Lyft - Motion Prediction for Autonomous Vehicles

Domain: Motion Prediction

Project Objective: Build motion prediction models for self-driving vehicles.

You will be predicting the motion of the objects in a given scene. For a test, you will have 99 frames of objects moving around and will be asked to predict their location in the next 50.

20. Currency foreign exchange rates.

Domain: Foreign Exchange

Project Objective: Forecast value of a currency

This is a historical dataset of currency foreign exchange rates. You will perform various tasks like time series analysis and forecasting to predict the price movement of the currency in the global market.

21. Drug Review

Domain: Healthcare

Project Objective: Based on the patient review, predict the condition of the patient, predict the effect of the drug-based on categorization of the patients.

This dataset will give you an abundance of opportunities to analyze it on various factors. Classification, regression and sentiment analysis along with visualising data would be included in this project.

22. NSE – Stock price prediction

Domain: Financial Market

Project Objective: Forecast stock price

NSE is an exchange-traded market that provides an opportunity for buyers and sellers to trade in equities, indices, mutual funds etc. You will work on data from NSE to study and predict the stock prices with an increased level of accuracy.

23. HR Analytics: to find candidates

Domain: Human Resource

Project Objective: Predict the probability of a candidate looking for a new job

A company that is active in Big Data and Data Science wants to hire data scientists. You will help the company identify the most probable candidate who may join the company.

24. IMDB – predict the rating of a movie

Domain: Media and Entertainment

Project Objective: Predict a movie's success

The data of the movies will help you build a recommender system that can be used to display the movie a person is most likely to watch. You will also predict the rating and success of the movie.

25. 1.VinBigData Chest X-ray Abnormalities Detection.

Project Objective: accurately identify and localize findings on chest radiographs.

Radiologists face many daily challenges, with the most difficult being the chest radiograph. The task is to provide doctors with more meaningful diagnostic assistance. This is object detection and classification problem based project.

CONTACT DETAILS

Contact Number: 1800-419-0840

EMAIL ADDRESS: info@skillslash.com

ADDRESS: Skillslash Pvt Ltd., Level 8, Umiya Business Bay, Tower 1, Cessna Business Bay, Marathahalli ORR, Bengaluru, 560103.