# Summer Internship Presentation

Name-Lanka Aravind
Roll no-21027136
Programme-CSE
Semester-VII
Batch:2021-2025

# INTRODUCTION

Name of Organization : ZIDIO DEVELOPMENT
Role : Data Science and Analytics Intern
Type : Internship
Mentor : Chandan Mishra
Duration : 2 months

# Introduction to Data Science

What is Data Science?

- **Data science** is a multidisciplinary field that **uses statistical and computational methods to extract insights and knowledge from data.**
- Data Science is kinda blended with various tools, algorithms, and machine learning principles.
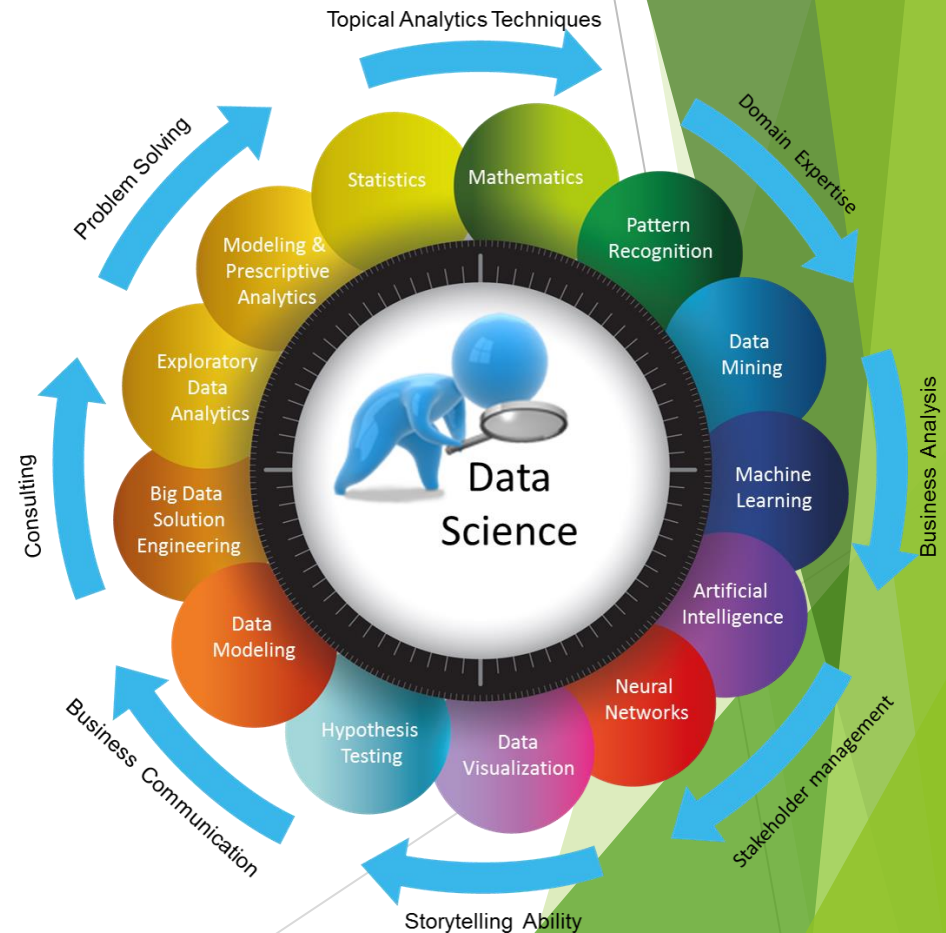
# Introduction to Data Analytics

- Data analytics is **the process of analyzing raw data in order to draw out meaningful, actionable insights**, which are then used to inform and drive smart business decisions.

# OBJECTIVE

- The Presentation is Mainly focus on showcasing my internship journey and my learnings in the organization.

- It describes my learnings and responsibilities undertaken.

- Main role that I have undergone during the internship is creating beautiful dashboards according to the vendors and clients requirements.

- Some of the tasks I involved are displayed here are::

# Tasks During Internship

1. Created A visual Dashboard of employees and their complete info working in the organisation.
2. By using Toronto Dataset worked on Speech emotion recognition Project.
3. Worked on Creating a visual representation of Famous Ecommerce Site BLINKIT on various analysis.

1. Created A visual Dashboard of employees and their complete info working in the organisation.



- Using the data from HR Department Created a visual representation of the Data of employees worked in the organization.
- It involves data collection, cleaning, analyzing the data and apply the techniques.

# Role of MS-Excel in HR Dashboard Creation

- **Data Collection**: Import and organize HR data in Excel (e.g., employee info, performance, payroll).

- **Data Cleaning**: Clean and prepare the data (e.g., remove duplicates, handle missing values).

- **Data Analysis**: Use formulas, pivot tables, and charts to analyze key HR metrics.

- **Data Visualization**: Create charts, graphs, and apply conditional formatting to highlight important insights.

- **Dashboard Creation**: Combine charts and tables into a single sheet to create an interactive HR dashboard.

- **Reporting**: Automate report generation and share the dashboard in various formats (e.g., PDF, Excel).

- Tools : Tableau, M s-Excel.

- Git hub Link : https://github.com/Aravind1727/HR-Dasboard-Craetion.git

- As a part of group we divide the work and created a dashboard.

- Duration of Project  : 4 days

- By taking instructions from the mentor the project is created Successfully.

## 2. By using Toronto Dataset worked on Speech emotion recognition Project.



## 1. Understand the Dataset
• **Dataset Overview**: The Toronto Emotional Speech Set (TESS) contains r r recordings of two actresses speaking a set of 200 target words in the neutral, happy, sad, angry, fearful, disgusted, and surprised emotions.

**2. Data Preprocessing**
**Loading the Data**: Load the audio files using libraries like librosa or wave.
**Noise Reduction**: Apply noise reduction techniques if necessary, using methods like spectral gating.
3. As a part of the group we created this projected and completed it with as per instructions given by guide.
4. Duration : It is ongoing Currently .
By using Google Colab done this work using python and Machine Learning algorithms.
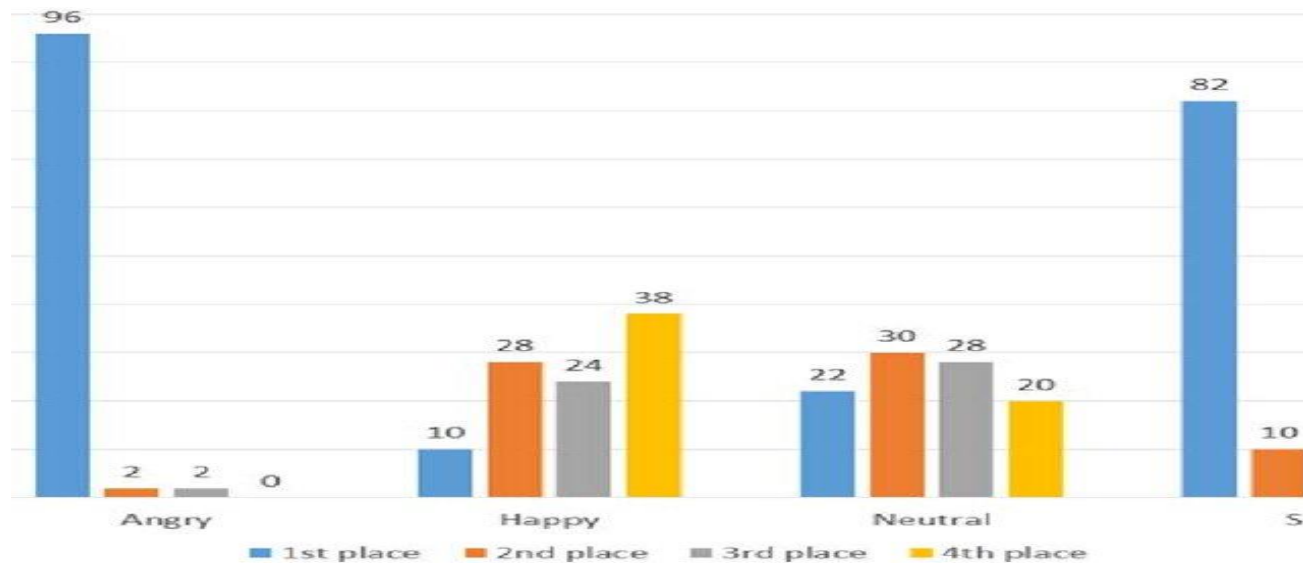


Analysis of different emotions

# 3. Worked on Creating a visual representation of Famous Ecommerce Site BLINKIT on various analysis.



- Created a visual representation of the Different scenarios about BLINKIT Group.
- It involves the location of group and many more.
- The most excited from remaining projects and from these one is used advance topics like Map and manymore.
- It involves data collection, cleaning, analyzing the data and apply the techniques.

# Role of SQL in Blinkit Dashboard Creation

- SQL plays a crucial role in data extraction, transformation, and loading (ETL). They are :

## 1. Understanding the Data Requirements

❑ **Data Sources**: Identify the databases and tables in SQL that contain the relevant data (e.g., sales data, inventory, delivery times, customer data, etc.)

❑ **Key Metrics**: Define the KPIs (Key Performance Indicators) you want to display on the dashboard (e.g., total sales, order fulfillment rates, average delivery time, etc.).

## 2. Data Extraction using SQL

❑ **Writing SQL Queries**: SQL is used to extract data from various tables and databases.

**3. Data Transformation**
- ❑ **Data Cleaning**: Use SQL to clean and prepare data.

**4. Data Loading**
- ❑ **Connecting SQL to Tableau:**
  - ▪ Establish a connection between Tableau and your SQL database. Tableau supports various SQL databases like MySQL, PostgreSQL, SQL Server, etc.
  - ▪ Use Tableau's built-in SQL Editor or write custom SQL queries within Tableau to pull in the pre-processed data.

**5. Building the Dashboard in Tableau**
- ❑ **Data Import:** Use the SQL queries or views to import data into Tableau.
- ❑ **Data Blending:** If data from multiple sources (or SQL queries) needs to be combined, Tableau allows data blending to create a unified dataset.

- ❑ **Tools : Tableau, SQL, Data.**
- ❑ **Duration : 6 days.**
- ❑ **Githu Link :** https://github.com/Aravind1727/Data-Analytics-Dashboard-Creation.git

# Thank You