

# CAREER ORIENTATION DATA ANALYSTS

**NAME : ABHISHEK KUMAR**  
**ERP : RU-25-10053**

# INTRODUCTION

## **What is Data Analytics ?**

Data Analytics is the process of examining, cleaning, transforming, and interpreting data to uncover useful insights, patterns, and trends that support decision-making.

## **Why It Matters**

- Helps organizations make **informed decisions**
- Improves **efficiency**, **customer experience**, and **profitability**
- Powers innovations in **AI**, **healthcare**, **finance**, and **marketing**

## **Real-World Example**

A retail company uses data analytics to:

- Track customer purchases
- Predict future demand
- Optimize inventory and pricing strategies

# SKILL REQUIRED

## **Technical:**

- SQL,
- Excel
- Python/R
- Tableau/Power BI

## **ANALYTICAL:**

- STATISTICS
- DATA CLEANING
- VISUALIZATION

## **SOFT SKILL:**

- COMMUNICATION
- PROBLEM SOLVING
- BUSSINESS ACUMEN



# CAREER PATHWAY

- **Entry-Level:** Junior Data Analyst
- **Mid-Level:** Business Analyst, Product Analyst
- **Advanced:** Data Scientist, Data Engineer, Analytics Manager
- **Leadership:** Director of Data, Chief Data Officer

# INDUSTRY DEMAND & OPPORTUNITIES

- High demand across sectors: IT, finance, healthcare, retail
- Remote and global opportunities
- Freelancing and consulting options

# ACTION PLAN & RESOURCES

Build a learning roadmap

- Join communities and coding clubs
- Attend hackathons and workshops
- Follow experts on LinkedIn, YouTube



# LEARNING & CERTIFICATIONS

- Online platforms: Coursera, edX, Udemy
- Certifications: Google Data Analytics, Microsoft Power BI, Tableau
- Importance of portfolio and GitHub projects

THANK  
YOU