

# DURGESH KUMAR

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## SUMMARY

MBA graduate specializing in **Business Intelligence** (IT) and Finance, and with a strong skill set in **data science** and analysis. With a passion for uncovering insights from complex data sets, utilizing **Python, including NUMPY and pandas libraries, and SQL** for efficient **data manipulation and analysis**. As a versatile business analyst, I bring a unique blend of financial acumen and technical expertise to drive data-informed decision-making. Let's collaborate and transform raw data into actionable strategies.

## KEY SKILLS.

**MySQL, SQL, Business Intelligence, Python (Pandas, NumPy, Seaborn, Matplotlib), PySpark, Power BI, Statistics, Advanced Excel, Data Analysis, Problem Solving, PySpark optimization, ETL, Machine learning.**

## DATAANALYTICS PROJECTS

### **Global COVID-19 Data Analysis**

- Calculated total and regional average active cases, **providing insights** into disease prevalence across different areas.
- Visualized the correlation between total tests and total cases through a **Seaborn heatmap**, uncovering testing **patterns**.
- Analyzed the percentage of **serious/critical cases** relative to total cases for each region, identifying regions with a high proportion of severe cases.

### **NIFTY-50--24-years-Analysis**

- Time Series** Analysis of **Daily candlestick data for the last 24 years** using Python libraries like **Pandas, NumPy, Seaborn, Matplotlib**
- Observed that drastic reduction in volatility for both Dividend Yield and Index Return after 2008. The **Standard Deviation** for these metrics particularly decreased around 2008.

### **Financial Correlation Analysis**

- Done Time Series analysis of **one-minute candlestick data** from January 2017 to January 2021 using **Python libraries**, finding correlations between major Nifty Indices and Indian banks.
- Discovered a strong **correlation** of **0.95** between Bank Nifty and Nifty Financial Services Index, highlighting their interdependence.

### **Car retailer analytics**

- Employed **SQL** to analyze a car retailer's data across four tables, utilizing JOIN, ORDER BY, HAVING, WHERE, and BETWEEN to determine profitability.
- Identified **profitable segments** and car types contributing to the company's overall profit within the dataset.

### **Sales analytics**

- Conducted sales analysis on over 100,000 records with 10 columns, employing **Python libraries** (Pandas, NumPy, Seaborn, Matplotlib), including **data cleaning** and datatype adjustments.
- Generated **statistical insights** to reveal customer behavior, patterns, and purchasing trends, enabling **comprehensive analysis** of the data.

### **Diwali sale data analysis with use of python**

- 11,251 rows and 15 columns employing **Python libraries** (Pandas, NumPy, Seaborn, Matplotlib), including **data cleaning** and datatype adjustments.
- Visualized the correlation between total tests and total cases through a **Seaborn heatmap**, uncovering testing **patterns**.

### **Wwi sales data modeling and dashboard in power bi**

## CERTIFICATION

### **MASTER'S IN DATA SCIENCE WITH POWER BI, (CONSOLE FLARE)**

**(DEC 2022-AUG2023)**

Modules: MySQL, Python (NumPy, Pandas, Seaborn, Matplotlib), PySpark, Big Data

### **INTERNATIONAL JOURNAL OF RESEARCH PUBLICATION AND**

### **REVIEWS, VOLUME4, ISSUE 5,2023**

**(05-20223-05-2023)**

Future scope of business analyst

## EDUCATION

### **MASTER OF BUSINESS ADMINISTRATION (MBA)**

**(Oct 2021 - AUG 2023)**

Noida Institute Of Engineering And

Technology (Niet , Greater Noida )

### **BACHELOR OF SCIENCE (MATHEMATICS)**

**(Jul 2015 - DEC 2018)**

Veer Kunwar Singh University, Ara Bihar

## ACADEMIC PROJECT (MBA)

Minor Project (Sustainable Business Model On E- Waste).

A study on financial performance analysis with special performance to s.m financial service) SUMMER TRAINING PROJECT REPORT.