





# Divyanshu Jhanwar

## Data Analytics and Machine Learning

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 LinkedIn

 GitHub







### Profile Brief

- ➔ Analytics aspirant with keen interest in leveraging data for solving complex problems and effective decisioning
- ➔ Leveraging my understanding of business and commerce with technical skills like AI, ML and Analytics

### Education

Jul'22 – Jul'23	Intellipaath – IIT Madras	Advanced Certification in Data Analytics for Business	Complete
2022	MS University Baroda	Bachelor of Commerce	64.8%
2019	CBSE	HSC	71%
2017	CBSE	SSC	7.2/10

### Skillset

	Python	Scikit-learn	NumPy, Pandas
	SQL	Excel Dashboards	Feature Engineering
	Time Series Analysis	Exploratory Data Analysis	Statistics
	Supervised ML	Unsupervised ML	Machine Learning Pipelines
	Data Preprocessing	Encoders – One Hot, Label	Feature Scaling, Normalization
	KNIME	Power BI	Tableau

### Algorithms and Libraries

Random Forest	XGB Classifier	Metrics
Decision Tree	Cat Boosting Classifier	Matplotlib
Logistic Regression	Support Vector Classifier	Seaborn
K- Nearest Neighbors	Ada Boost Classifier	TensorFlow
Linear Regression	Gradient Boosting	Model Selection


### Projects


#### Covid-19 Trend Analysis


- ➔ Analyzed trends associated with Covid-19 using Python
- ➔ Wrote code to visualize the impact and trends associated with infection and recovery rates
- ➔ Conducted predictive analysis on the potential number of cases expected a week in future based on ongoing trends


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### Income Analysis for US Adults

- Preprocessed data and performed Exploratory Data Analysis (EDA) on 1994 US Census dataset
- Implemented Visualizations using Python libraries like Matplotlib and Seaborn
- Used ML algorithms (Linear Regression, Logistics Regression, Decision Tree, Random Forest) for predictive analysis

### Visa Project

- Developed Machine Learning Pipeline from scratch in VS Code using Python
- Implemented data ingestion, validation, transformation along with Model Pusher

### USA State University Admissions

- Designed a dynamic dashboard using Power BI to analyze the trend of admissions into state universities
- Used Query Editor to perform data modeling by applying transformations and also created advanced visualizations

### Shipping Cost Leakage Analysis

- Conducted a top-down and bottom-up analysis to identify Shipping Cost leakages
- Build visualizations using Power BI to identify outliers utilize for leakage analysis

### Analysis of Retail Store Sales in US to Students

- Collected data from multiple sources, clean and prepare data to ensure accuracy and completeness
- Organized data into meaningful categories and relationships using data modeling tools like Power Query, Power Pivot
- Created dashboard using Power BI combining multiple reports and visualizations of key metrics and trends
- Published the report on Power BI cloud service with scheduled automatic refresh from the dataset

## Certifications

- |   |           |
|---|-----------|
| → <b>Supervised Machine Learning: Regression and Classification</b> by Deep Learning & Stanford | (Ongoing) |
| → <b>OOPs in Python</b> by Great Learning   | (Jul-23)  |
| → <b>Linear and Logistic Regression</b> by Amazon Web Services (AWS)                            | (Jan-23)  |
| → <b>Master Data Management for Beginners</b> by TCS  | (Jan-23)  |
| → <b>Machine Learning for Leaders</b> by Amazon Web Services (AWS)                              | (Dec-22)  |
| → <b>Machine Learning for Business Challenges</b> by Amazon Web Services (AWS)                  | (Dec-22)  |
| → <b>Building Interactive Dashboards</b> by Skill Nation  | (Dec-22)  |
| → <b>Business Analytics with Excel</b> by Simplilearn   | (Jun-22)  |
| → <b>Introduction to Data Analytics</b> by Simplilearn  | (Jun-22)  |

## Extracurriculars



Volunteered with CSC NGO contributing to child education and administration of the non-profit

Football enthusiast with a keen interest in European league football