

Shikha Singh
Roll No.: 20200048
Bachelor of Technology
Production and Industrial Engineering
Motilal Nehru National Institute of Technology Allahabad

in LinkedIn Profile

EDUCATION

•Motilal Nehru National Institute of Technology

B. Tech. Production and Industrial Engineering

•Central Academy, Jhunsi

Central Board of Secondary Education, Class 12

Central Academy, Jhunsi

Central Board of Secondary Education, Class 10

Percentage: 96.2 2017

Nov. 2022 - Feb. 2023

2020-Current

CGPA: 8.78

CGPA: 10

2019

Personal Projects

•Customer Segmentation in Online Retail

Used unsupervised learning to generate customer insight

- Tools & technologies used: Python, Jupyter Notebook, Pandas, Unsupervised Learning, Data Analysis

- Aim: Analyze customers as per their spending habits and thereby group them in appropriate no. of clusters.
 Prescribe business action for each segment. Data Source: The UCI Machine Learning Repository
- **Description**: Cleaned nulls and duplicates followed by feature exploration.
- Conducted Recency, Frequency, Monetary Analysis (RFM). Removed skewness using log transform. Used Standard scalar before K-Means Clustering.
- Results: Used K-means clustering and Silhouette Score to obtain three distinct segments of customers, namely Major, Average, and Churn. Proposed actionable insights for each segment.

•Adidas Business Case

Aug 2022-Oct 2022

Analyzed Adidas sales data to propose business action

- Tools & technologies used: Python, Jupyter Notebook, Pandas, ANOVA, Data Analysis
- Aim: Generate insight into Adidas sales across the USA and suggest business sectors to target for maximizing profits on sales. Data Source: Kaggle.
- Description: Removed outliers using z-score and interquartile range methods in Python pandas. Generated visualizations for top products, retailers etc.
- Results: Increase online sales, target South USA and female footwear as it generated max profit per unit sales.
- Validation: Conducted ANOVA to ensure that the operating margin is a function of product, region, and sales method. Thus, the proposed suggestions were generalizable to the wider population outside the sample.

TECHNICAL SKILLS AND INTERESTS

Languages: C++, Python, SQL **IDE's**: Jupyter Notebook, VSCode

Soft Skills: Creative Thinking, Communication, Curiosity, Collaboration

Areas of Interest: Business Analytics, Machine Learning

CERTIFICATION

-SQL Certification, Hackerrank

2023

Positions of Responsibility

-Girls Manager, Girls Kabaddi Team MNNIT, Inter NIT Sports Meet

2023

-Content Writer, MNNIT Times (Reporting Club)

2021-present

EXTRACURRICULAR

- -MUN, Eloquence, Participated in MUN, Eloquence (Culrav 22)
- -Member, Skating Club, MNNIT
- -Member, MNNIT Times Reporting Club, MNNIT
- -Member, Girls Kabaddi Team MNNIT

ACHIEVEMENTS

-Semi Finals- Inter NIT Sports Meet: Qualified for Girl's Kabaddi Semi-Finals, at NIT Surathkal

-Quarter Final- Spardha IIT(BHU) Qualified for Girl's Kabaddi Quarter-Finals

2023 2022

-District Rank 3- Class 12 3rd highest score in PCM in Prayagraj

2019