Aman Prajapati

616-308-8714 ı prajapam@mail.gvsu.edu ı Walker, MI, United States

Insightful computer science student who obtained a 'A+' grade into his bachelor's studies. Seeking admission for graduate studies to further enhance my technical skills, practically apply thoughts and attain the preferred career goals and to be a part of your university that consistently operates towards excellence.

EDUCATION

Grand Valley State University, Michigan **August 2023 - Present**
Masters of Science in Data Science and Analytics. Overall GPA: **3.740**

B.K. Birla College of Arts, Science and Commerce. **June 2019-April 2022**
Autonomous College Affiliated to the University of Mumbai, India
Bachelor of Science in Computer Science, Overall GPA: **9.98**

TECHNICAL PROJECTS

Segmentation Using Unsupervised Machine Learning techniques:

- This project is meticulously crafted to organize targeted marketing campaigns through robust customer segmentation. At its core, the initiative focuses on gaining a profound understanding of our diverse customer base.
- To accomplish this objective, an unsupervised machine learning model is deployed to autonomously assimilate and analyze customer behavior. The selected algorithm for this task is the K-means clustering algorithm. The result is a discerning output that categorizes market segments into cohesive clusters, furnishing valuable insights that can be strategically utilized to orchestrate a highly targeted and impactful marketing campaign.

How to:

- A website for bloggers where they can publish their articles.

Exploratory Analysis on President Elections Data : State Level

- This project leverages R to do string manipulation, filtration of data and explore, visualize the President Elections data from 1976 -2020. In this project, I meaningfully summarize the data , merge data sets and visualize it to know Total votes by state, candidate votes each party received and examine relationship between them, also density distribution of votes by party. By employing advanced techniques in R, this project seeks to provide a thorough and insightful exploration of the Presidential Elections data, contributing valuable perspectives on voting patterns, state-wise variations, and party-wise dynamics over the specified timeframe.

Analysis of Public Transport Data in France:

- This project delves into the analysis of public transport traffic data in France to optimize transportation efficiency and resource allocation. We aim to provide crucial insights into route performance, market share, commuter satisfaction, and resource optimization. Our analysis identifies routes with high cancellation rates, correlates trends with external events, and suggests interventions for improvement. Additionally, we determine high market share routes for targeted marketing efforts, aiding railway companies in revenue generation. Insights into commuter satisfaction and route optimization strategies are also provided, assisting transport authorities in enhancing passenger experience and resource allocation.

SMS Spam Detection:

- In today's digital age, SMS communication has become ubiquitous, but it's often plagued by unwanted spam messages. The SMS Spam Detection project aims to address this issue by leveraging machine learning techniques to automatically identify and filter out spam messages from legitimate ones.
- By developing an accurate spam detection system, we aim to enhance the user experience and improve the security of SMS communication channels. The project involves several key steps, including data preprocessing, exploratory data analysis (EDA), model building, and evaluation. By applying machine learning algorithms to a labeled dataset of SMS messages, we aim to achieve high accuracy in classifying messages as spam or ham (non-spam).

TECHNICAL SKILLS/ COMPETENCIES

- Programming languages: SQL, Python, R, lava.
- IDE's: VS code, R-studio, Google Colaboratory.
- Databases: SQL, PHP, MySQL, MongoDB

- Web design: HTML, JavaScript and CSS.
- Office tools: MS Excel, MS Office.

ACHIEVEMENTS

- Received scholarship from Sir J J Foundation. (June 2021)
- Received Scholarship from Monroe College (August 2023)

CO-CURRICULAR ACTIVITIES

- Certified in Web Designing Course by B.K.Birla College Of Arts, Science and Commerce.
- Certified in Fundamentals Of Digital Marketing by Google.
- Pursued SQL - MySQL for Data Analytics and Business Intelligence by Udemy.
- Pursued Python & Machine Leaming for Financial Analysis by Udemy.
- Active participation in Literature Events hosted by my college.
- Content Writing and Affiliate marketing.