|  |  |  |
| --- | --- | --- |
| RITIK VIJAN  **AI/ML Passionate**  **Software Developer** Contact +918879924229  [shivamvijan1999@gmail.com](mailto:Shivamvijan1999@gmail.com)  🌐 [**GitHub**](https://github.com/ritikvijan) Technical ProfileAnalytics / Programming  * Python * Sabretalk * Assembler 390  Tools  * Jupyter Notebook * Visual Studio Code * Google Colab * Power Bi * Flask  Key Skills  * Deep Learning * Predictive Modelling * NLP and LLM  Database  * MySQL  Competencies  * Proactive communication * Technology solution design * Troubleshooting and resolution * Programming/Technical Analysis * Software Development Life Cycle * Agile Methodology   **Functional Skills**   * Airline Industry * Flight Movement * Crews Domain * Agile Methodology |  | **Overview**  Experience Python developer with a robust 2+ years background in transforming ideas into efficient and scalable code with a knack of problem-solving and a commitment to clean, readable, and maintainable software  **Objective**  To obtain Challenging position where I can use my knowledge and expertise to help the organization grow and develop, as well as to implement solutions using a variety of the newest emerging trends in AI/ML. |
|  |
| **Work History (Nov 2021 – Current)** |
| Senior UI/UX Designer Hexaware incJan 20XX - Dec 20XX Managed the design team and mentored junior designers to improve design quality and efficiency. Created wireframes, prototypes, and high-fidelity mockups for a variety of web and mobile projects. Worked closely with clients to understand their needs and goals and translate them into effective design solutions. |
|  |
| Data Science & Power BI Projects |
| **Movies Recommender System (ML):**  The Interactive Movie Recommendation System is a project aimed at providing personalized movie recommendations based on user input.  **SMS Spam Classifier (ML):**  This Machine Learning project designed to classify text messages as Spam or Ham (non-Spam).  **Sales Data Analysis (EDA):**  This **Exploratory Data Analysis (EDA)** for Customer Segmentation project aims to analyze a dataset containing customer information to gain insights into demographic trends and purchasing behaviors  **Ecommerce Data Analysis (BI):** This dashboard is for an ecommerce store leverages Power Query editor for data refinement and incorporates KPI’s to offer a comprehensive view of key metrics, It enables intuitive exploration and analysis of sales performance, customer behavior, and inventory management. |
| education (2019 – 2021) |
| **Bachelor of Science: Information Technology Mumbai University** |
| Accomplishments |
| Based on my technical expertise, the solutions I provided, and my interactions with clients, I was named a Top Rater with Niche Skills in my first year of corporate employment. |

**Detail Overview on Projects**

|  |
| --- |
| * **Movies Recommender System (ML)**   **Milestones / Elements in Development**:  **Data Acquisition and Preprocessing:** Movie data is obtained from CSV file, which are then loaded into **Pandas** **DataFrames**. Data cleaning tasks, such as handling missing values and removing duplicates, are performed using **Pandas**.  **Text Vectorization:** Movie descriptions are vectorized using the **Count** **Vectorizer library**, converting textual data into numerical vectors suitable for analysis.  **Text Processing:** The **Porter Stemmer library** is applied to remove stop words and reduce words to their root forms, enhancing the efficiency of textual analysis.  **Similarity Analysis:** **Cosine Similarity** is calculated between movie descriptions and user preferences to identify movies with similar characteristics.  **Data Dumping:** Processed data, including vectorized movie descriptions and similarity scores, are serialized using the **Pickle library** for efficient storage and retrieval.  **Poster Retrieval:** The **Requests module** is used to fetch movie posters from IMDB website based on movie titles, enhancing the visual appeal of the user interface.  **User Interface Development:** **StreamLit** is employed to develop an interactive web application where users can input their preferences and receive personalized movie recommendations based on similarity analysis. [GitHub Link](https://github.com/ritikvijan/Movies-Recommender-System) |
|  |
| * **SMS SPAM Classifier (ML)**   **Milestones / Elements in Development**:  **Data Acquisition and Preprocessing:** Movie data is obtained from CSV file and loaded into Pandas DataFrames. Data cleaning tasks, including handling missing values and removing duplicates, are performed using **Pandas**.  **Text Preprocessing:** The message corpus is preprocessed using the **Porter Stemmer library** to remove the stop words and reduce words to their root forms, improving the quality of text analysis.  **Visualization:** **Matplotlib** and **Seaborn libraries** are used to visualize the distribution of message data and explore patterns.  **Word Cloud Generation:** The **WordCloud** library is employed to create word clouds of transformed text for both ham or spam messages, visualizing the most common words in each category.  **Model Training and Testing:** By using **Train\_Test\_Split** module, Eleven different machine learning models are trained on the training data and evaluated on the testing data to identify the best performing model.   **Voting Classifier:** A **VotingClassifier** library with soft voting strategy is employed to combine predictions from multiple machine learning models.  **Data Dumping:** Trained machine learning models and processeddata are serialized using the **Pickle library** for efficient storage and retrieval. **User Interface Development: StreamLit library** is utilized to develop an interactive web application where users can input messages and receive real-time predictions on whether they are Spam or Ham. [GitHub Link](https://github.com/ritikvijan/SMS-Spam-Message-Classifier) |
|  |
| * **Sales Data Analysis (EDA)**   **Milestones / Elements in Development**:  **Pandas:** It is employed to read CSV files containing customer data and perform data cleaning tasks such as handling missing values, removing duplicates, and restructuring data for analysis.  **Matplotlib & Seaborn:** These libraries are utilized for data visualization purposes, including creating various plots and charts to explore the distribution of customer data and identify patterns.  **Insights & Conclusion:** After analyzing the visualizations generated from the dataset, drawn several insights regarding the category of more likely to buy products for e.g., **Gender Analysis, Age Analysis** etc. [GitHub Link](https://github.com/ritikvijan/Diwali-Sales-Data-Analysis) |
|  |
|  |

**Detail Overview on Projects**

|  |
| --- |
| * **Ecommerce Data Analysis (BI)**   **Milestones / Elements in Development**:  **Data Acquisition:** The project starts with obtaining the e-commerce stores sales data, typically stored in an Excel files format.  **Data Transformation:** Power Query Editor is utilized to perform data cleaning and transformation tasks.  **Data Modeling:** The transformed data is then modeled using Power BI’s Modeling capabilities for creating One to Many relationships between two different tables.  **DAX Queries:** It used to create calculated columns, measures, and calculated tables for performing advanced calculations.  **Dashboard Creation:** **KPI’s, cards, filters, slicers** and different types of charts are added to the dashboard to provide a comprehensive view of the sales data.  **User Interaction:** The dashboard is designed to be **user-interactive**, allowing users to **filter** and **drill** down into specific aspects of the data  GitHub Link |
|  |