BHAVYA AGARWAL

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Education

8/10 **BTech in Computer Science Engineering**, *G.B.Pant DSEU Okhla Campus Delhi* |India *2022-26*

88.0% **Completed 12th**, *Adarsh Public School* | Delhi, India *2021-22*

Skills

Languages Python, C++, HTML,SQL,C,Data Structures,CSS,Javascript,R,Rust,Tensorflow,Keras,OpenCV

Data Science Data Analysis, Data analytics,Visualization and Cleaning, Pandas,Numpy,Seaborn,Matplotlib,Scikit-Learn,NLP, Azure Devops,Neural Networks,Deep learning,Statistics,Computer Vison

Tools MySQL, PyCharm, VSCode, Github, Jupyter Notebook,CLion,Tableau,PowerBI,MS-Excel

Certifications Career Essentials in Data Analysis by Microsoft and LinkedIn –(2024) | Build Your Generative AI Productivity Skills with Microsoft and LinkedIn – (2024) | Tata Group - Data Visualisation: Empowering Business with Effective Insights Job Simulation –(2024) | Python Data structures,Great Learning Academy–(2023) | Complete DSA course, Udemy – (2023)

Experience

Altudo, *Data Analyst Intern* | Hybrid *May 2024 - Present*

- Practical Application of Making chatbot: Extract meaningful insights from open APIs.
- Data Visualization: Conveyed complex information through compelling charts and graphs in Power BI.
- Use of various machine learning algorithms to reach the conclusion or result that the project demands.

NullClass Pvt Ltd, *Data Analyst Intern* | Remote *April 2024 - May 2024*

- Practical Application of Data Analysis: Extract meaningful insights from large datasets.
- Data Visualization Expertise: Conveyed complex information through various charts and graphs in tableau.
- Linking tableau dashboard to a website made using html and css.

Anumaa Computer and Software Pvt Ltd, *Data Scientist Intern* | Hybrid *May 2023 - Aug 2023*

- Data Visualization Expertise: Conveyed complex information through compelling charts and graphs.
- Collaborative Problem Solving.
- Use of various machine learning algorithms to reach the conclusion or result that the project demands.

Personal Projects

Movie Recommendation System

- This project implements a movie recommender system that personalizes recommendations based on user preferences.
- Visual representations of data, including bar graphs, heatmaps,boxplot and other graphical elements, were employed to effectively convey and analyze information.
- It leverages techniques like collaborative filtering or content-based filtering (depending on your implementation) to analyze user movie ratings or movie attributes and suggest similar films.
- Get a list of top 5 movies tailored to your taste based on your selection. User-Friendly Interface: The system is designed for ease of use, allowing you to explore movie recommendations with minimal effort.

Which Bollywood Celebrity Are You?

- This project delves into the fascinating realm of facial recognition and machine learning to create a fun and interactive application. By leveraging pre-trained deep learning models and image processing techniques, users can discover which celebrity they resemble most based on their facial features.
- Employs a pre-trained convolutional neural network (CNN) to extract features from celebrity images, creating a robust reference database.Presents the celebrity with the highest similarity score, potentially sparking amusement or surprise.
- Computes the cosine similarity between the user's facial features and those of celebrities in the database, identifying the closest match.

Flight Tracking Chatbot

- This project provides a convenient flight tracker chatbot that allows users to inquire about the status of their flights through natural language interaction.
- By leveraging a flight data API and conversational AI techniques, the chatbot delivers real-time flight information directly within their chat platform of choice.
- Simply type in your flight details (e.g., flight number, airline code, date) to access real-time flight status updates.Stay informed about delays, cancellations, or gate changes.

Olympics Data Analysis System

- Outline the key steps involved in your analysis: Data cleaning and preprocessing techniques used. Libraries and tools employed for data manipulation and visualization (e.g., pandas, matplotlib, seaborn). Specific machine learning algorithms implemented
- Visual representations of data, including bar graphs,boxplot,confusion matrix, heatmaps, and other graphical elements, were employed to effectively convey and analyze information.

Email Spam Classifier

- This project implements a machine learning model to classify incoming emails as spam or not spam.Filter out unwanted spam emails from your inbox, saving you time and keeping your inbox focused on important messages.
- Visual representations of data, including bar graphs,boxplot,confusion matrix, heatmaps, and other graphical elements, were employed to effectively convey and analyze information.
- Machine Learning Model: Leverages a trained model (e.g., MultinomialNB) to analyze email content and predict spam probability. Text Preprocessing: Employs techniques like stemming, tokenization, and stopword removal to enhance model accuracy.
- Streamlit Integration provides a user-friendly interface for testing the model and classifying new emails (requires Streamlit library).

Extra Curricular Achievements

2018-2022 , Won first prize in zonal level Table Tennis Competition for consecutive 5years *India*