

# BHAVYA AGARWAL

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## Education

8/10	<b>BTech in Computer Science Engineering</b> , G.B.Pant DSEU Okhla Campus Delhi  India	2022-26
88.0%	<b>Completed 12th</b> , Adarsh Public School   Delhi, India	2021-22

## Skills

<b>Languages</b>	Python , C++ , HTML , SQL , C , Data Structures , CSS , Javascript , R , Tensorflow , Keras , OpenCV
<b>Data Science</b>	Data Analysis , Data analytics , Visualization and Cleaning , Pandas , Numpy , Seaborn , Matplotlib , Scikit-Learn , NLP , Azure Devops , Neural Networks , Deep learning , Statistics , Computer Vision
<b>Tools</b>	MySQL , PyCharm , VSCode , Github , Jupyter Notebook , CLion , Tableau , PowerBI , MS-Excel

## Work Experience

<b>Altudo</b> , Data Scientist Intern   Hybrid	May 2024 - July 2024
<ul style="list-style-type: none"><li>Practical Application of Making chatbot: Extract meaningful insights from open APIs.</li><li>Data Visualization: Conveyed complex information through compelling charts and graphs in Power BI.</li><li>Use of various machine learning algorithms to reach the conclusion or result that the project demands.</li></ul>	
<b>NullClass Pvt Ltd</b> , Data Analyst Intern   Remote	April 2024 - May 2024
<ul style="list-style-type: none"><li>Practical Application of Data Analysis: Extract meaningful insights from large datasets.</li><li>Data Visualization Expertise: Conveyed complex information through various charts and graphs in tableau.</li><li>Linking tableau dashboard to a website made using html and css.</li></ul>	
<b>Anumaa Computer and Software Pvt Ltd</b> , Data Scientist Intern   Hybrid	May 2023 - Aug 2023
<ul style="list-style-type: none"><li>Data Visualization Expertise: Conveyed complex information through compelling charts and graphs.</li><li>Collaborative Problem Solving.</li><li>Use of various machine learning algorithms to reach the conclusion or result that the project demands.</li></ul>	

## 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).

Certifications

- 2024
- Career Essentials in Data Analysis by Microsoft and LinkedIn,
- 2024
- Tata Group - Data Visualisation: Empowering Business with Effective Insights Job Simulation,
- 2024
- Build Your Generative AI Productivity Skills with Microsoft and LinkedIn,
- 2023
- Data Structures and Algorithms Specialization,

Extra Curricular Achievements

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

India