



SHYAMAL MALHOTRA

Aspiring Data Scientist

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KEY ACHIEVEMENTS

✍️ **AI/ML Head for MSC-MSIT Society**
Successfully led my selection as AI/ML Head for my college society Microsoft Student Chapter , showcasing leadership in tech.

SKILLS

Machine Learning · Deep Learning ·
Flask · Natural Language Processing ·
RNN · LSTM · Tensorflow · OpenCV ·
CNN · Streamlit · Django · streamlit

CERTIFICATION

☆ **Data Scince Mastery Course**
Gained DataScience Mastery course from Coding Blocks

EXTRAS

Finalist in HackArcode Hackathon held at Noida.

Member of Google Developer Group and Geek Room coding society.

SUMMARY

I am an aspiring data scientist and college student passionate about gaining practical experience in data science. I have a good foundation in machine learning, deep learning, and natural language processing. I seek opportunities in the industry that align with my skills and provide a platform for professional growth.

EDUCATION

Bachelors Of Computer Application	08/2023 - 05/2026
MAHARAJA SURAJMAL INSTITUTE(IPU)	Delhi, India
Class 12	05/2020 - 03/2022
KDB Public School	Delhi, India

PROJECTS

COVID-19 Detection System Using CNN and Flask with Camera-Based X-Ray Analysis	08/2024 - 09/2024
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Primary Objective:Developed a camera-based X-ray analysis system powered by Convolutional Neural Networks (CNNs) to detect COVID-19 infections.

- Solution: Model integrates a Flask web application to provide a user-friendly interface for real-time analysis and efficient diagnosis.
- Result: Model Predicted images with 99% accuracy

Automated Resume Screening and Categorization Using Machine Learning	09/2024 - 10/2024
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Primary Objective:To develop a machine learning-based solution that automates the screening and categorization of resumes, predicting the suitability of candidates for specific job roles or categories.

- Solution:The project leverages machine learning to automate resume screening by extracting relevant features like skills and experience using natural language processing (NLP)
- Result:Model predicted with 90% accuracy.

Python Dashboard for Israel-Palestine Conflict Analysis	10/2024 - 11/2024
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Primary Objective:Developing a Python-based dashboard for analyzing the Israel-Palestine conflict by visualizing data, identifying trend,etc.

Solution:Project leverages data processing libraries like Pandas and visualization tools such as Plotly or Matplotlib, the dashboard presents key insights, trends, and patterns through graphs, charts, and maps

- Result:. This tool empowers users to better understand the conflict's dynamics, enabling informed discussions, decision-making, and further research.

PROJECTS

CineMatch: Personalized Movie Recommendation System

11/2024 - 12/2024

Primary Objective: Develop a movie recommendation system that enhances user experience by providing personalized movie suggestions based on individual preferences and viewing history

- Solution: This project builds a movie recommendation system that utilizes collaborative filtering and content-based filtering techniques. By analyzing user preferences, ratings, and movie attributes, the system provides personalized recommendations
- What was a successful outcome of your work? (e.g. Raised \$3,000 for the charity)

EmotionSphere: Deep Learning-Powered Six-Emotion Detection from Text

12/2024 - 01/2025

Primary Objective: Developing a web application which can detect six human emotion from text

- Solution: Developed a deep learning model using LSTM networks for the accurate classification and detection of six distinct emotions from text.
- Result: 98% Accuracy was achieved