

Brahmjot Singh

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SKILLS

Languages Python · C++ · Java · MySQL

Machine Learning & Deep Learning TensorFlow · CNN · Classification Models · ANN · Regression Models · PyTorch · Keras

Natural Language Processing(NLP) · Word cloud · TfidfVectorizer · NLTK · Seaborn ·

Data Analysis & Visualization SciPy · Scikit-learn · Power BI · Excel · Statistical Analysis

Web Development HTML · CSS · JavaScript

Developer Tools Visual Studio Code · Github · Git · Jupyter Notebook · Google Colab · CV2

Creative Public Speaking · Interpersonal · Leadership · Teamwork · Critical Thinking · Strategy consulting

EXPERIENCE

MEDOC HEALTH PVT LTD

MACHINE LEARNING INTERN

 **Certificate**

March 2024 - May 2024

- Contributed to a healthcare project mapping diseases in digital prescriptions, refining skills in ML techniques and data analysis
- Strengthened teamwork and gained healthcare analytics knowledge from industry experts

LETS GROW MORE

DATA SCIENCE INTERN

 **Certificate**

Aug 2023 - Sep 2023

- Led development of 10+ AI and ML projects, enhancing expertise in machine learning, deep learning and NLP across diverse domains
- Received a LOR for impactful contributions, demonstrating proficiency in project execution and skill enhancement

PROJECTS

Mood Melody

- Created an ML-powered system to detect user moods using facial recognition technology, achieving an accuracy rate of 92%.
- Utilized a dataset of over 10,000 moods and mood classification models to suggest personalized songs in real-time, enhancing user experience.
- Implemented real-time music recommendations, resulting in a 30% increase in user satisfaction and engagement with the application.
- Tech Stack: Python, ML, DL, numpy, pandas, tensorflow, CNN, Data visualization, CV2
- Link: [Mood Melody](#)

Terror Map

- Analyzed over 50,000 global terrorism incidents using machine learning techniques to identify significant patterns and trends.
- Utilized clustering and classification algorithms, achieving a 90% accuracy rate in identifying terrorism dynamics.
- Provided insights for predictive analytics to support security purposes, contributing to a 25% improvement in threat detection and response strategies.
- Tech Stack: Python, ML, numpy, pandas, Data visualization, Data analysis
- Link: [Terror Map](#)

Message Guard

- Combined NLP techniques and machine learning to classify spam and ham messages with an accuracy of 95%.
- Utilized NLP methods to remove stopwords and create a corpus, identifying over 1,000 frequently appearing words in the messages.
- Trained a machine learning classifier on the processed data using a dataset of 5,000 messages, achieving high accuracy in distinguishing between spam and ham.
- Tech Stack: ML, DL, NLP, numpy, Classification model, word cloud, EDA, punkt, stopwords, TfidfVectorizer
- Link: [Message Guard](#)

EDUCATION

Guru Tegh Bahadur Institute of Technology

Aug 2021- Jul 2025

Bachelors of Technology in Artificial Intelligence and Machine Learning