Aditya Karwani

+91 9821726178 | adityakarwani22465@gmail.com | <u>LinkedIn</u> | <u>Github</u>

A motivated and hardworking candidate with strong interpersonal and analytical skills, seeking to gain corporate knowledge and experience. Skilled in data analytics, machine learning, and deep learning, with a passion for using advanced technologies to drive innovation.

EDUCATION

Vivekananda Institute of Professional Studies (CGPA: 8.818)	New Delhi, India
B.Tech in Artificial Intelligence and Data Science	*2021 – 2025*
Ryan International School	New Delhi, India
Non Medical	*2021*

PROJECTS

Face Mask Detection with CNN | *Python, CNN, VGG, Transfer Learning*
- Achieved high accuracy in distinguishing between masked and unmasked faces using live video streams.
- Implemented CNN architecture with transfer learning from VGG model. Integrated the model with live video streams to continuously detect faces and classify them as masked or unmasked.
- Successfully created a robust system capable of accurately detecting face masks in real-time, contributing to public health efforts during the COVID-19 pandemic.

Sentiment Analysis with RNN | *Python, RNN, LSTM*
- Achieved high performance in classifying sentiments from text data.
- Designed and trained an RNN model using LSTM units to capture sequential dependencies in text data. Applied dropout layers to prevent overfitting and enhance generalization.
- Developed a sentiment analysis tool capable of accurately classifying sentiments expressed in text, enabling applications in customer feedback analysis and social media sentiment tracking.

Hate Speech Detection | *Python, Decision Trees, Audio Processing*
- Implemented audio processing techniques to detect and classify hate speech in real-time audio streams.
- Utilized Decision Tree algorithms for text classification to detect hate speech. Incorporated audio processing techniques such as feature extraction and classification for real-time audio streams.
- Successfully deployed a system capable of detecting and categorizing hate speech in audio streams, contributing to efforts in online content moderation and hate speech prevention.

TRAINING

MERN Stack Development Training	Brain Mentors
July 2023 – August 2023	

- Developed and deployed full-stack web applications using MongoDB, Express.js, React, and Node.js (MERN).
- Gained hands-on experience in building APIs and implementing user authentication and authorization.

Machine Learning Intern	DRDO (Defence Research and Development Organisation)
July 2024 – August 2024	

- Developed a diamond price prediction model using various machine learning algorithms, including Decision Tree, Linear Regression, XGBRegressor, and KNN Regressor.
- Conducted sentiment analysis on textual data using machine learning techniques to identify and classify sentiments.

SKILLS

Languages: Python, C++, SQL, HTML/CSS, R

Frameworks: Numpy, Pandas, GitHub, Scikit-learn, Keras, TensorFlow, Matplotlib

Tools: Jupyter Notebook, Jupyter Lab, VS Code, Google Colab, MySQL, Git, MS Excel, Power BI, Google Sheets

Industry Knowledge: Data Analytics, Data Science, Machine Learning, Deep Learning, Statistical Analysis, Data Visualization

Soft Skills: Problem Solving, Leadership, Public Speaking, Time Management

CERTIFICATIONS

Data Science for Engineers	*Jan 2023 – March 2023*
NPTEL-IIT Madras	
Data Science Master Course Online	*April 2023 – Oct 2023*
Coding Blocks	
Python	*April 2023*
Kaggle	
Introduction to R	*Oct 2022*
Great Learning	
Algo++ Online Course	*April 2023 – Oct 2023*
Coding Blocks	
Data Analysis with Python	*July 2024*
IBM	
Deep Learning Fundamentals	*July 2024*
IBM	