

Aman Bhatt

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EDUCATION

Year	Degree/Exam	University/School	GPA/Marks (%)
Sep, 2022 - Present	B.Tech (CSE)	Graphic Era University Dehradun	8.2/10
2021	12 th , C.B.S.E	Doon International School	90.2%
2019	10 th , I.C.S.E	Marshall School	89.8 %

PROJECTS

- **Early Lung Cancer Prediction** (May, 2024 - Jul, 2024) :
 - Utilized the IQ-OTHNCCD dataset containing 1,190 CT scan images
 - Developed an ML model using CNN to classify lung cancer cases
 - Achieved 99% accuracy in detecting early-stage lung cancer
 - Technology Used- Deep learning, Feature Learning, Feature Extraction, Data Processing
- **Harmful Speech Classification** (Dec, 2024 - Feb, 2024):
 - Developed an ML model to classify tweets into three categories: Hate Speech, Offensive Language, or Neither using the following machine learning models:
 - * Random Forest: Achieved an accuracy of 94% after hyperparameter tuning.
 - * Logistic Regression: Reached an accuracy of 91%, providing a fast and interpretable model.
 - * Decision Tree: Delivered an accuracy of 89%, useful for understanding decision paths.
 - * Naive Bayes: Achieved an accuracy of 85%, performing well with smaller datasets.
 - This tool helps detect and reduce online hate speech, fostering safer digital environments
 - Technology Used- Machine Learning, NLP, Feature Extraction: TF-IDF Vectorizer, Stopword Removal
- **Big Number Library** (Dec, 2023 - Jan, 2024) :
 - Developed a custom library for arithmetic operations on large integers beyond built-in data type limits.
 - * Addition, Subtraction, Multiplication, Division, and Modulus operations for large integers
 - Provided a header file (bigint.h) and object file (libbigint.a) for easy integration into other projects
 - Tools Technologies: C, GCC, Custom library development, Header file integration

SKILLS

- **Programming Languages** C , C++ , Python , HTML, CSS, Javascript , SQL, Java.
- **Machine Learning Tools** Tensorflow, Keras, scikit-learn, pandas, numpy, matplotlib, OpenCV, nltk, Seaborn
- **Development Tools** Jupyter Notebook, Google Colab, Git, GitHub
- **Courseworks** Data Structures and Algorithms, Object-Oriented Programming, Artificial Intelligence, Machine Learning, Data Science.
- **Certifications**
 - Microsoft Azure Data Fundamentals (DP-900)
 - Practical Machine Learning (Coursera)
 - Python for Data Science, AI and Development (Coursera)
 - Introduction to Data Analytics (Coursera)
- **Soft Skills** Problem-Solving, Adaptability, Critical Thinking, Time Management