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

- **SkillBridge** (Dec, 2024 - Feb, 2025):
  - Developed a **Flask-based platform** for resume-job matching improving hiring efficiency by 50%.
  - Designed a **database-driven system** to store, process, and rank 1,000+ resumes based on skill similarity.
  - **Built** a real-time filtering dashboard, enhancing recruiter decision-making speed by 50%.
  - **Technology Used**: Python, Flask, SQLite, Natural Language Processing (NLP), Resume Parsing.
- **AirSage: Smart AQI Analytics** (Sep 2024 - Nov 2024)
  - Analyzed **air quality trends** in **Delhi, Hyderabad, Kolkata, Bengaluru** using **2010–2023** data.
  - Collected and processed **500,000+ data points** from Kaggle, handling missing values.
  - Performed **statistical analysis** on pollutants (**PM2.5, PM10, NO2, SO2, CO, Ozone**).
  - Developed an **AQI classification system** and imputed missing values, achieving an average Mean Squared Error (MSE) of 1064.45 across four major cities (Delhi, Hyderabad, Bengaluru, Kolkata).
  - **Technology Used**: Python, Pandas, Seaborn, Matplotlib, sickit-learn.
- **Early Lung Cancer Prediction** (May, 2024 - Aug, 2024) :
  - Utilized the IQ-OTHNCCD dataset containing 1,190 CT scan images.
  - Developed an ML model using CNN to classify lung cancer cases into 3 classes.
  - Achieved 99% accuracy in detecting early-stage lung cancer.
  - **Technology Used**: Deep learning, Feature Learning,Feature Extraction, Data Processing.
- **Harmful Speech Classification** (Dec, 2023 - April, 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.
  - **Technology Used**: Machine Learning, NLP,Feature Extraction: TF-IDF Vectorizer,Stopword Removal.

SKILLS

- **Programming Languages** C , C++ , Python , HTML,CSS, Javascript , SQL, Java.
- **ML & Data Tools:** TensorFlow, Keras, scikit-learn, Pandas, Numpy.
- **Development:** Flask, Git, GitHub, Jupyter Notebook, Google Colab.
- **Certifications**
  - AWS Certified Cloud Practitioner
  - Microsoft Azure Data Fundamentals (DP-900)
- **Soft Skills** Problem-Solving ,Adaptibility ,Critical Thinking ,Time Management