Aman Gusain

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Education

Graphic Era Hill University, Dehradun **2021 - 2025**
B.Tech in Computer Science & Engineering *8.7/10 CGPA*

Career Objective

Data science enthusiast skilled in **Machine learning, Artificial Intelligence, computer vision, and Networking** based programming. Eager to leverage expertise in C++, Python, and analytics to contribute to industry's innovative projects. Passionate about developing AI-driven solutions for strategic decision-making in a dynamic environment.

Projects

Human Computer Interaction using Computer Vision **Source Code**

- Development of hand gestures based interaction leveraging Computer Vision and ML skills.
- Python scripting based System Design for navigation control.
- Implemented a system interaction method for futuristic hands-free convenience.

Chord DHT (Peer to Peer Architecture Implementation) **Source Code**

- Developed a Peer 2 Peer Architecture showcasing Multithreading and Networking skills using " Boost.Asio " Library.
- Achieved a platform-independent P2P implementation in C++ language leveraging Object Oriented Programming concepts.

Emotion Classifer **Source Code**

- Developed an Emotion Classifier using ML and AI to analyze and predict emotional states.
- Utilized LSTM, RNN, Word2Vec, and TF-IDF for advanced emotion classification algorithms.
- Implemented in sentiment analysis, mental health assessment, and emotion recognition applications.

Technical Skills

Languages: Python, Java, C++
Networking: Cloud, encryption, linux
UX & UI: HTML, CSS, React, javascript, API, Node.js
Databases: Oracle, MySQL, MongoDB
Subjects: Machine Learning , Artificial Intelligence, OOPs
Developer Tools: Anaconda, Jupyter, Virtual Studio Code

Achievements

Fine Grained Sentiment Analysis using Machine learning and Deep learning (PUBLISHED)

- Implementation and Analysis of **textual sentiment analysis** on various Machine Learning Algorithms.
- **Algorithms:** Logistic Regression, SVM and Recurrent Neural Network were tested and implemented.

Competitive Programming

- I have successfully completed over 400 problems on LeetCode and achieved a rating around 1600.

Interests and Hobbies

Robotics and Vehicles
Chess puzzles
Trekking and Cycling
Problem Analysis