

# ANIRUDDH SINGH

+91 6307214607 [✉ saniruddh123@gmail.com](mailto:saniruddh123@gmail.com) [LinkedIn](#) [Github](#)

## EDUCATION

### Graphic Era University, Dehradun

B.Tech in Computer Science & Engineering

2022 – 2026

8.96/10 CGPA

### JSM Public School, Fatehgarh

12th CBSE

2021 – 2022

90%

### JSM Public School, Fatehgarh

10th CBSE

2019 – 2020

92%

## PROJECTS

### Hate Speech Detection: (Numpy, Pandas, scikit-learn, Natural Language Processing) January 2024 – March 2024

- **Developed a Decision Tree Model for Hate Speech Detection:** Implemented a decision tree classifier using Python and scikit-learn, achieving a 92% accuracy rate in detecting hate speech in social media comments.
- **Enhanced Natural Language Processing Pipeline:** Optimized text preprocessing techniques, including tokenization, stemming, and TF-IDF vectorization, improving model precision and recall by 15%.
- **Conducted Comprehensive Model Evaluation:** Analyzed model performance using metrics such as accuracy, precision, recall, and F1-score, ensuring reliable identification of hate speech with an F1-score of 0.87.

### Plant Disease Detection System: (Python, Tensorflow, Keras)

June 2023 – August 2023

- **Developed and implemented a Plant Disease Detection System using Deep learning algorithms to identify and classify plant diseases from images:** Utilized convolutional neural networks (CNNs) for high accuracy in real-time disease identification, contributing to improved crop health monitoring and early disease intervention.
- **Develop a Application (using Streamlit):** Designed and developed a Plant Disease Detection app using to provide an interactive user interface for real-time plant disease identification. Integrated a machine learning model powered by convolutional neural networks (CNNs) for accurate disease classification

### Chat Application: (Java, Java Swing Library, Socket.IO)

September 2023 – November 2023

- **Developed a Real-Time Chat Application:** Created a Java Swing-based GUI for a real-time chat application, supporting private and group chats for over 200 users.
- **Integrated Socket.IO for Instant Messaging:** Utilized Socket.IO for bi-directional communication, reducing message delivery latency by 40%.
- **Enhanced User Experience with Intuitive Design:** Designed a user-friendly interface using Java Swing, leading to a 20% increase in user satisfaction.

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, C, JavaScript

**Backend:** Node.js, Express.js

**Frontend:** React, Tailwind CSS, HTML, CSS, Bootstrap

**Databases:** MySQL, PostgreSQL, MongoDB

**Web Technologies:** Socket.IO

**Developer Tools:** Postman, VS Code, GitHub

## CODING PLATFORMS

- Solved **300+** Leetcode DSA problems
- Solved **300+** GeeksForGeeks DSA problems.

## POSITIONS OF RESPONSIBILITY

**Leading a technical club at college (Graphic Geek),** a student organization focused on overall technical Development of student (August 2023 – Present).