

# Anuj Rawat

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## EDUCATION

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### Graphic Era Hill University

*Bachelor of Technology in Engineering; GPA: 8.70*

Dehradun, Uttarakhand

2022 – 2026 (Expected)

### Summer Valley School

*Class 12th; Percentage: 88.60%*

Dehradun, Uttarakhand

2022

### Summer Valley School

*Class 10th; Percentage: 86.40%*

Dehradun, Uttarakhand

2020

## PROJECTS

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### Movie Recommender System

Machine Learning

- Developed a Movie Recommender System using a Content-Based Filtering approach to suggest movies based on user preferences and movie metadata.
- Applied advanced text vectorization methods, including Bag of Words, to transform over **4800** movie descriptions into numerical vectors; enhanced the accuracy of similarity calculations for generating personalized recommendations.
- Integrated Streamlit for an interactive web interface, allowing users to input movie titles and receive top recommendations with poster visuals.

### SMS Spam Detection

Machine Learning, NLP

- Built an Email Spam Classifier using machine learning algorithms like Naive Bayes , Logistic Regression, Random Forest for accurate spam detection.
- Applied text preprocessing techniques (tokenization, stemming, vectorization) to prepare the email data.
- Achieved **98.16%** accuracy and validated model performance using cross-validation and confusion matrix.

### Face Mask Detector

Deep Learning

- Developed a deep learning model for real-time face mask detection using the VGG Net architecture.
- Achieved a high accuracy of **98.01%** on validation data.
- Optimized the architecture and trained the model on a custom dataset to improve performance.

### Stock Price-Prediction

Deep Learning

- Designed a real-time stock price prediction model using Long Short-Term Memory (LSTM) networks, implemented in Python.
- Processed and analyzed over 10 years of historical data using Tiingo, improving prediction reliability for future stock prices
- To enable visualisation and user interaction, an interactive web application was designed utilising Streamlit.

## WORKSHOPS

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### Microsoft SEFA

- Selected as one of the Top 100 students in our batch.
- Completed a 2-day Microsoft SEFA workshop covering key areas such as Product Management, User Experience, and Development, gaining practical insights into modern software engineering practices .

## TECHNICAL SKILLS

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- \* **Programming Languages:** C++, Python, Java
- \* **Databases:** MySQL
- \* **Frameworks:** Git , Numpy , Pandas , Scikit-learn
- \* **Coursework:** Data Structures Algorithms, Operating Systems, Database Management System(DBMS), Machine Learning
- \* **Specialized Skills:** Machine Learning
- \* **Coding Platforms:** Leetcode , GeeksForGeeks