

EDUCATION

Graphic Era Hill University Bachelor of Technology - CSE: CGPA: 8.07	Dehradun, Uttarakhand August 2022 - Present
S.D Inter College Higher Secondary Education (12 th) – Science Stream; Percentage: 69%	Karanprayag, Uttarakhand July 2022
Iris Public School Secondary Education (10 th); Percentage: 67%	Srinager, Uttarakhand July 2020

SKILLS SUMMARY

- **Languages:** C, C++, JavaScript, Python, SQL, Html, Css
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib, Tensorflow, keras
- **Tools:** Jupyter Notebook, Visual Studio Code, Google Colab, IntelliJ IDEA, Oracle SQL
- **Soft Skills:** Problem-Solving, Critical Thinking, Effective communication, Team Collaboration, Adaptability

PROJECTS

Customer Churn Prediction LINK	March 2025
<ul style="list-style-type: none">o Built a customer churn prediction model using Random Forest with hyperparameter tuning (Optuna), achieving 99% accuracy.o Analyzed a dataset of 450K rows, incorporating key features like tenure, support calls, payment delays, and contract length.o Implemented using Python, Scikit-Learn, Optuna, and Pandas for data processing, model training, and evaluation.	
Face Mask Detection System LINK	February 2025
<ul style="list-style-type: none">o Achieved 94% accuracy in detecting face mask usage by utilizing the VGG16 architecture for effective classification.o Developed a real-time face mask detection system to identify individuals wearing face masks using computer vision techniques.o Employed Python, TensorFlow, and OpenCV libraries for deep learning and image processing tasks.	
Emotion Detection System using CNN LINK	November 24 - January 2025
<ul style="list-style-type: none">o Achieved 69% accuracy in emotion prediction by performing hyper parameter tuning to optimize model performance.o Developed an advanced system to detect emotions from facial expressions, classifying emotions such as Angry, Happy, Neutral, Sad, and Surprise.o Employed Python, TensorFlow, and OpenCV libraries for deep learning and image processing tasks.	
Movie Recommendation System LINK	September 2024
<ul style="list-style-type: none">o Developed a personalized movie recommendation tool using content-based filtering to suggest similar movies based on user input.o Utilized the IMDb 5000 popular movies dataset to provide accurate recommendations without relying on external APIs..o Applied cosine similarity to compare movie features and generate highly relevant recommendations.	
YouTube Sentimental Analyzer LINK	April 24 - May 2024
<ul style="list-style-type: none">o Achieved an 85% accuracy in sentiment analysis by training a model on a dataset of 25,000 movie review comments.o Utilized YouTube API to fetch user comments, video details, likes, and views, enabling real-time sentiment prediction.o Implemented text preprocessing techniques using NLP to remove noise, tokenize text, and standardize data for improved model performance.	
Email-SMS Spam Classifier LINK	November 2023
<ul style="list-style-type: none">o Developed a spam classifier using a dataset of 5K emails and messages, achieving 95% accuracy.o Applied text preprocessing techniques, including tokenization and stopword removal, for improved data quality.o Trained a Naive Bayes classifier to accurately differentiate between spam and non-spam messages.	

CERTIFICATES

Machine Learning with Python Cognitive Class (IBM) CERTIFICATE	March 2025
<ul style="list-style-type: none">o Gained expertise in supervised and unsupervised learning, model evaluation, and key ML algorithms.o Completed hands-on labs using Jupyter Notebook for practical machine learning applications.	
Enhancing Soft Skills and Personality (Swayam) CERTIFICATE	April 2024
<ul style="list-style-type: none">o Developed essential soft skills, including effective communication, teamwork, and interpersonal skills.o Improved self-awareness and emotional intelligence to enhance personal and professional interactions.	
Google Cloud Computing Foundations (Swayam) CERTIFICATE	October 2023
<ul style="list-style-type: none">o Acquired foundational knowledge in cloud computing, covering basic concepts and services of Google Cloud Platform (GCP).o Familiarized with deploying applications and managing resources in a cloud environment.	