# RAHUL KARKI
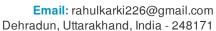
**B.Tech. - Computer Science Engineering (General) - Graphic Era Hill University (Dehradun)**

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**Email:** rahulkarki226@gmail.com
Dehradun, Uttarakhand, India - 248171

## KEY EXPERTISE

Machine Learning  Deep Learning  Generative AI  Competitive Programming  Web Development

## EDUCATION

**Graphic Era University**  2021 - 2025
B.Tech. - Computer Science Engineering (General) - Graphic Era Hill University (Dehradun)  |  CGPA: **8.83 / 10**

**GAUTAM INTERNATIONAL SCH INDRANAGAR DEHRADUN UK (81173), Dehradun**  2021
12th  |  CBSE  |  Percentage: **91 / 100**

**GAUTAM INTERNATIONAL SCH INDRANAGAR DEHRADUN UK (09321), Dehradun**  2019
10th  |  CBSE  |  Percentage: **91.50 / 100**

## AWARDS AND SCHOLARSHIPS

- Prime Minister's Scholarship Scheme

## PROJECTS

**Chat With your Data**  23 Nov, 2023 - 09 Jan, 2024

**Key Skills:**  Retrieval-Augmented Generation  Large Language Model  Langchain  Vector database

**Project Link:** https://chatwithyourdata-rk.streamlit.app/

Developed an advanced Chatbot using large language Model which helps you ask query related to any PDF document in real time. Used Retrieval-Augmented Generation(RAG) to enhance accuracy and reliability by fetching facts from pdf (External source) in a vector database FAISS.

**Driver Drowsiness Detection**  12 Oct, 2023 - 23 Nov, 2023

**Key Skills:**  OpenCV  Transfer Learning  Convolutional neural network  Deep Learning

**Project Link:** https://github.com/Rahulkarki226/Driver-Drowsiness-detection

developed a real-time application that alerts drivers when they exhibit signs of drowsiness, enhancing road safety. The application leverages OpenCV's Haar cascades for real-time face detection and the Inception V3 model for drowsiness prediction, achieving an impressive accuracy of 93%.

**Botnet Fraud Detection**  05 Jun, 2023 - 29 Jul, 2023

**Key Skills:**  Machine Learning  cyber-security  Fraud Detection  computer networks

**Project Link:** https://github.com/Rahulkarki226/Botnet-Fraud-detection

For Enhancing Network security and cyber threats I developed a Hybrid Model of Top
Performing algorithms like random forest, SVM,KNN to detect botnet (infected network) using UNSW_NB15 dataset.

**Illness Classification of Cattles**  10 Apr, 2023 - 24 May, 2023

**Key Skills:**  Computer Vision  CNN  Transfer Learning  Web Scrapping

**Project Link:** https://github.com/Rahulkarki226/ill-animal-classification

Classifying images of animals suffering from visually identifiable diseases like lumpy skin disease, bloating, cuts and wounds. Creating my own dataset by scarping internet and training VGG16 model with the help of transfer learning to achieve an accuracy of 89 %.

**Tourism Website**  21 Oct, 2022 - 16 Mar, 2023

**Key Skills:**  Web Development  mysql  php

**Project Link:** https://github.com/Rahulkarki226/Tourism-website

developed a user-friendly website that streamlines the trip booking process by offering detailed information about various services and holiday destinations.

## SEMINARS / TRAININGS / WORKSHOPS

**PwC Analytics Insight Launchpad** **Institute Name:** PWC                    15 Feb, 2024  -  21 Jun, 2024

**Key Skills:** IT Fundamentals    RDBMS    Programming Fundamentals    Data Engineering

Launchpad - Analytics Insights" introduces us to Data Engineering fundamentals.

## PERSONAL INTERESTS / HOBBIES

- Playing outdoor sports with my friends like basketball, football and Cricket.
- Working out Regularly
- Watching movies and Web Series

## WEB LINKS / IMs

- WhatsApp - https://wa.me/qr/CHXTIAML3OLYG1
- Github - https://github.com/Rahulkarki226

## PERSONAL DETAILS

**Gender:** Male
**Marital Status:** Single
**Current Address:** B-56/4 Rishi Vihar ,Mehuwala Mafi,
Dehradun, Uttarakhand, India - 248171
**Email:** rahulkarki226@gmail.com

**Date of Birth:** 22 Jun, 2004
**Known Languages:** English, Hindi
**Phone Number:** +91-7900655894