Akanksha
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EDUCATION

Year	Degree/Exam	Institute	GPA/Marks(%)
Aug, 2021 - Present	B.TECH in Computer Science	Graphic Era Hill University, Dehradun	9.27/10.0
2020	12^{th} I.C.S.E	St. Theresa's School	94.20 %
2018	10^{th} I.C.S.E	St. Theresa's School	86.50 %

RESEARCH AND PUBLICATIONS

- **Deep Learning for Handwritten Character Recognition (Published in ICSEIST-23 technically sponsored by IEEE-02) :** To develop a Research project to detect handwritten characters using image with the help of deep learning approach of Convolutional Neural Network (CNN).

PROJECTS

- **Login Profile Manager** (Jan, 2022 - Feb, 2023) :
  Technologies Used: PHP, MYSQL, HTML, CSS
  The webpage features a user-friendly login and registration interface created using front end like HTML, CSS, and back end like PHP. It Offers seamless login, registration, and profile viewing experiences.

- **8085 Emulator** (Apr, 2023 - June, 2023) :
  Technologies Used: C++, makefile
  The C++ 8085 emulator replicates the Intel 8085 microprocessor's functionality, executing its instruction set accurately. It manages memory, registers, and I/O operations, aiding in software development and debugging for 8085-based systems without physical hardware requirements.

- **Handwritten Character Recognition** (Apr, 2023 - May, 2023) :
  Technologies Used: SVM, Python, OpenCV
  Python-based handwritten character recognition system with an accuracy of 96.25% utilizes Support Vector Machines (SVM) for precise character classification from input images, enhancing automation and data extraction tasks efficiently.

- **Movie Recommendation based on facial expressions** (Dec, 2023 - Jan, 2024) :
  Technologies Used: CNN, Python, Flask, HTML, CSS
  A movie recommendation system can analyze facial expressions from images or video frames, enabling personalized recommendations based on viewers' emotional responses with an accuracy of 71.23%.

- **Fake News Classifier** (Mar, 2024 - April, 2024) :
  Technologies Used: Python, BagOfWords, TF-IDF, SVC
  Developed a Fake News Classifier using BagOfWords and TF-IDF methods to accurately distinguish between genuine and fake news articles, improving information credibility.The model has an accuracy of 90%.

TECHNICAL SKILLS

- **Languages C** (proficient), **C++** (proficient), **HTML**, **Javascript**, **SQL**, **PHP**, **Python**, **Java**.

- **Tools and Frameworks** Dev C++, CodeBlocks, ReactJS, Visual studio, XAMPP, LaTeX

- **Machine Learning Tools** Tensorflow, Keras, scikit-learn.

SCHOLASTIC & CO-SCHOLASTIC ACHIEVEMENTS

- **P**resented Research papers at the ICSEIST-23 conference under IEEE, showcasing innovative contributions to Handwritten Characters.

- **R**anked first in class 12 with an overall score of 96.25%, the highest among all students in the school based on the best 4 subjects.

STRENGTHS

- **T**eam oriented
- **P**ressure handling
- **D**ecision making
- **T**ime management

HOBBIES

- **P**ainting, crafting
- **R**eading Tech news/Gadgets
- **C**ooking