Vedant Saxena
C-503 HIG Flats ,
ISBT Haridwar-Dehradun Road ,
Dehradun (U.K., INDIA) - 248002
Email-id : 6987vedsaxena@gmail.com
Mobile No.: **6306145403**
Alt Mob No.: **8709730778**

ACADEMIC DETAILS

Examination	University	Institute	Year	CGPA/%
Graduate Specialization:	*Computer Science and Engineering*			
Graduation	Graphic Era Hill University	GEHU Dehradun	Pursuing	8.68
Diploma Specialization:	*Computer Science and Engineering*			
Diploma	Graphic Era Hill University	GEHU Dehradun	2021	8.78
High School	LPS, Lucknow	LPS, Lucknow	2020	83.5

FIELDS OF INTEREST

- AI and ML, Neural Network, IOT, GEN AI, Data Analysis, Problem Solving.

TECHNICAL SKILLS

- **Languages**: C, C++, Python, R
- **OOPS**: C++, Java
- **DSA**: C++
- **DBMS**: MySQL
- **Web Development**: HTML, CSS, JS, MERN
- Generative AI , Objective Detection.

MAJOR PROJECTS AND SEMINAR

- **Breast Cancer Prediction System (Python)** (Self Project)
  FEB'22-MAR'7(2025)
  - Developed a Breast Cancer Prediction System using Python and machine learning techniques to classify tumors as benign or malignant. Utilized libraries such as Scikit-learn, Pandas, and NumPy for data preprocessing, model training, and evaluation. Achieved high accuracy through optimized algorithms like Random Forest, SVM, or Logistic Regression. Integrated data visualization tools like Matplotlib and Seaborn to enhance interpretability of results.
- **Coffee Management System (Python)** (Self Project)
  FEB'14 - FEB'25(2025)
  - Developed a Python-based Coffee Management System to streamline order processing, inventory management, and sales tracking. Implemented a user-friendly interface with Tkinter (or Flask for a web-based version) and integrated a SQLite/MySQL database for efficient data storage. Enhanced functionality with automated billing, customer management, and reporting features.
- **Voice Assistant Using JavaScript** (Self Project)
  (Aug'28 - Oct 2024)
  - Developed a voice assistant that processes user voice queries and retrieves search results efficiently.

- **Classification of Sonar Targets in Air/Water/Land** (Research Project)
  (Guide: Prof. Ashish Thapliyal, Jan'14 - Aug'14(2024))

    - The ultrasonic radar sensor serves the purpose of identifying and classifying sound-reflecting objects (targets), subsequently utilized as landmarks for navigation. In this study, artificial neural networks (ANNs) featuring multiple hidden layers were employed. The focus was on achieving a high success rate and conducting tests to assess the ANNs' capabilities in discriminating sizes of targets with identical geometric shapes.

EXPERIENCE

- **Engineering Intern - DataCulture Technologies (Internship)**
  (Oct 2024 - Feb 2025)

    - Gained valuable hands-on experience in the intersection of data and technology. Focused on Generative AI, Web Development, and Ad bot systems.

STRENGTHS

- Positive Attitude, Social Interaction, Hardworking, Teamwork.

INTEREST AND HOBBIES

- Solving Puzzles.
- Playing Chess.
- Trekking.