

NITESH SINGH MEHRA

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Education

Graphic Era Hill University

Bachelor of Technology in Computer Science (**CGPA: 7.94**)

2022 – 2026

Bhimtal, Uttarakhand

Maharishi Vidya Mandir

Intermediate (**82%**)

2020 – 2021

Bageshwar, Uttarakhand

Maharishi Vidya Mandir

Matriculation (**83%**)

2018– 2019

Bageshwar, Uttarakhand

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Cryptography
- System (DBMS)
- OOPS Concept
- Database Management
- Artificial Intelligence
- Web Development

PROJECTS

Custom C-Shell | C, Linux System Programming

2025

- Built a custom UNIX-like command-line shell in C (C99) supporting command execution, piping, redirection, and background process management.
- Implemented core system-level programming concepts such as `fork()`, `exec()`, signals, and file handling, strengthening OS and process management knowledge.

Face Recognition System | Python, OpenCV, NumPy, Pandas, Matplotlib

2024

- Developed a real-time face recognition system in Jupyter Notebook using OpenCV for image processing and detection.
- Utilized NumPy and Pandas for efficient data handling and preprocessing, and Matplotlib for live visualization of recognition results.
- Enhanced understanding of computer vision, machine learning workflows, and Python-based data analysis.

Skills

Programming Languages: C, Python, C++ , HTML/CSS, JavaScript, SQL

Tools and Platforms: VS Code, Git,

Soft Skills: Leadership, Communication, Problem-Solving, Collaboration

EXTRACURRICULAR

Extracurricular Activities

Achieved **NCC 'A' Certificate**, demonstrating discipline, leadership, and commitment to national service. Regularly practice **Yoga and Meditation** for physical fitness, focus, and mental well-being.

Relevant Coursework

- Data Structures and Algorithms
- Machine Learning
- Database Management
- Cryptography
- Object-Oriented Programming
- Statistics
- Mathematics

Career Objective

A motivated and dedicated B.Tech 4th-year Computer Science Engineering student with a strong foundation in programming (C, C++, Python, JavaScript) and problem-solving. Passionate about software development and eager to apply my skills in real-world projects. Seeking an internship opportunity to gain hands-on experience, enhance my technical knowledge, and contribute effectively to a dynamic team. Open to roles in web development, software engineering, and data structures & algorithms.