KARAN NAYAL

Haldwani , Nainital , Uttarakhand

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EDUCATION

Graphic Era Hill University , Bhimtal   **2023 − 2027**
*B.Tech in Computer Science and Engineering - **CGPA** - **7.5***   *Nainital, Uttarakhand*

PROJECTS

Huffman File Compressor ⤢ | (HTML , CSS , Java Script , Python)   **June 2025**
- A beautiful and modern web application for file compression using Huffman's algorithm.
- This project features a responsive frontend with animations and a Python Flask backend that implements lossless compression.

Handwritten Digit Recongnition. ⤢ | (ML , Python , Streamlit)   **July 2025**
- A script that trains a model to recognize handwritten digits using the MNIST data set.
- Then it loads external files and uses the neural network to predict what digits they are.
- Feel free to add 28x28 pixel images into the digits directory!

BMI Calulator ⤢ | (HTML , CSS , Java Scrcipt)   **june 2024**
- Beautiful glassmorphism design with a yoga-themed background.
- Real-time BMI calculation with input validation
- Health category classification (Underweight, Normal, Overweight)

TECHNICAL SKILLS

Languages : Python, C, C++, SQL, Javascript

Web Development : HTML, CSS, React.js, Next.js MongoDB, Express.js

Databases : MongoDB, MySQL

ML & CV : TensorFlow, Scikit-learn, OpenCV, Pandas, Numpy

Tools : VS Code, PyCharm, IntelliJ, Git, Canva, Microsoft Office

PROFILE & WORK SAMPLES

- Solved **100+** Problems on **Leetcode**. ⤢
- Solved **100+** on **GeeksforGeeks**. ⤢
- GitHub : 10+ repositories including web development, algorithm visualizer, Python series and ML project ⤢

CERTIFICATIONS

- Fundamentals of Artificial Intelligence – NPTEL, 2025
- Data Analytics Virtual Experience – Accenture (Forage), 2024
- Frontend Software Engineering Job Simulation – Forage, 2024
- Generative AI – LinkedIn Learning, 2024
- AWS Training and Certification – Amazon Web Services, 2025
- Introduction to Artificial Intelligence – Simplilearn, 2025

ACHIEVEMENTS/EXTRACURRICULAR ACTIVITIES

- Solved 300+ problems on LeetCode , GFG and related platforms.
- Served as Vice Head Boy in Class 12, demonstrating leadership, discipline, and team management skills.
- Actively organized and volunteered in college sports events, showcasing strong event coordination and teamwork abilities.