

Anshika Saklani

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EDUCATION

GRAPHIC ERA HILL UNIVERSITY

Bachelor of Technology

Computer Science and Engineering

Cumulative GPA: 8.8(first year)

Relevant Coursework: Software Engineering; Algorithms; Artificial Intelligence

Dehradun ,Uttarakhand

2023-Present

SHRI GURU NANAK PUBLIC SCHOOL

12th Grade : 84.4%

Dehradun ,Uttarakhand

2022-2023

SHRI GURU NANAK PUBLIC SCHOOL

10th Grade : 94.8%

Dehradun ,Uttarakhand

2020-2021

PROJECTS

RAILWAY TRACK OPTIMIZATION SYSTEM

Feb 2025

- Developed an optimized railway network system for efficient route planning and capacity management.
- Implemented shortest path and maximum flow algorithms to improve railway operations.Enhanced network reliability using Minimum Spanning Tree for cost-effective infrastructure planning.
- **Technologies Used:** HTML,CSS Tailwind, Javascript , Matplotlib, Networkx,Python, Graph Algorithms (Dijkstra's Algorithm, MST, Ford-Fulkerson's Max Flow Algorithm).
- **Link :** <https://github.com/Anshika-111105/Railway-Track-Optimization-System>

HAND-GESTURE RECOGNITION SYSTEM USING MACHINE LEARNING

Jan 2025

- Developed a real-time hand gesture recognition system using computer vision and machine learning for detecting and classifying hand gestures. Implemented machine learning models to recognize gestures and control applications accordingly
- **Technologies Used:** OpenCV, MediaPipe, Python.
- **Link :** <https://github.com/Anshika-111105/Hand-Tracking-system>

DISNEY + HOTSTAR CLONE

Nov 2024

- Built a fully functional Disney+ Hotstar clone with user authentication, video streaming, and a responsive UI.On-demand video streaming platform
- **Technologies Used:** HTML, Tailwind CSS, Javascript
- **Link :** <https://github.com/Anshika-111105/Disney-Hotstar-Clone>

SKILLS

- **Programming Languages :** C , C++ , Java , Python ,Javascript
- **Web Development :** HTML3, CSS , Tailwind CSS , Javascript, RESTful APIs
- **Frameworks :** ReactJS
- **Operating System :** Windows, Linux ,MacOS
- **Databases :** MongoDB, mySQL
- **Software & Tools :** Git ,Github ,VScode

ACHIEVEMENTS

- **Participant in Graph-e-thon** – Successfully participated in Graphthon, showcasing problem-solving skills in graph algorithms and data structures.
- **3-star ranking on Hackerrank**-.demonstrating excellent problem solving skills and proficiency in various programming language and algorithmic challenges
- Successfully qualified Stage1 from **AlgoUniversity Technology Fellowship**

HOBBIES

- **Public Speaking & Volunteering** – Actively participating in college induction programs and tech events.
- **Personal Development Books** – Engaging with books on productivity, leadership, and motivation
- **Journaling & Diary Writing** – Maintaining a daily journal to reflect on thoughts, experiences, and personal growth.

