

ANKUSH NAUDIYAL

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EDUCATION

Himalayan Institute of Technology
Bachelor of Science – Information Technology
Kendriya Vidyalaya O.F.D Dehradun
Senior Secondary – (12th)

Uttarakhand , India
July 2022 – July 2025
Uttarakhand , India
April 2021 – April 2022

SKILLS SUMMARY

- **Languages :** C++, JavaScript, SQL
- **Framework :** React Js, Node Js , Express Js , Tailwind Css
- **IT CONSTRUCT :** DSA, OOPS , DBMS , OS
- **Database :** MySql , MongoDB
- **Familier with :** C , Java , C#

PROJECTS

LEARNING MANAGEMENT SYSTEM | [LINK](#)

- Developed a **Learning Management System (LMS)** using the **MERN stack**, enabling course management, student enrollment, and seamless interaction.
- Implemented **JWT authentication** for secure user login and access control, ensuring data privacy and protection.
- Developed a dynamic **admin and student dashboard** to manage courses, track **sales and revenue**, monitor student progress, and enhance platform engagement with real-time insights.
- Integrated **ShadCN library** for a customized UI and **Multer** for uploading videos and images to the cloud, while optimizing the backend with **MongoDB and Express.js** for efficient data handling and performance.

BIGINT CPP Class | [LINK](#)

BIGINT is a custom **C++** class designed to handle **large integers efficiently**. It performs operations like **addition, subtraction, multiplication, division, factorial**, and **square root**, making it ideal for **big data** and **cryptographic applications**.

- **Developed advanced methods** like **SquareRoot, Factorial, and Longest_palindrome** for extended mathematical functionality.
- **Optimized string-based computation** with functions like **isSubstring, Reverse_BIGINT, and Compare** for enhanced usability.
- Ensured **optimized performance and accuracy**, handling edge cases like negative numbers and large computations.

PERSONAL PORTFOLIO | [LINK](#)

- Built a **React.js** and **Tailwind CSS** powered personal portfolio website with a modern and responsive design.
- Integrated **GSAP animations** and **smooth scrolling** for an interactive user experience.

CERTIFICATES

SQL COMPLETE BOOTCAMP (Udemy) | [CERTIFICATE](#)

- Gained a strong foundation in SQL, learning **CRUD operations, filtering, sorting, aggregate functions**, and basic **joins** to efficiently manipulate and **retrieve** data from relational databases.
- Worked with **advanced SQL techniques**, including **complex joins, indexing strategies, stored procedures, triggers, and Subquery** to improve database performance, scalability, and efficiency.

FrontEnd Development (Techkriti, Indian Institute of Technology Kanpur) | [CERTIFICATE](#)

- Developed a strong foundation in frontend technologies, including **HTML, CSS, and JavaScript**, to create responsive and visually appealing **web interfaces**.
- **Built interactive web applications** using **JavaScript and basic React.js**, implementing state management, and event handling for dynamic user experiences.