

ANTRIKSH KATNA

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EDUCATION

National Institute of Technology, Hamirpur

Bachelor of Technology, Computer Science

November 2022 - July 2026

CGPA : 8.93 (till 4th Sem)

SKILLS

Languages	C and C++, JavaScript, Python, HTML5/CSS, SQL
FrameWork/Technologies	ReactJs, NodeJs, MongoDB, Express.Js, Bootstrap, Tailwind CSS
CourseWork	Introduction to C Programming, OOPS, Data Structures, Operating System
Developer Tools	Vs Code, Git, GitHub FireBase, Linux, Postman

PROJECTS

EnigmaScrolls

([Source Code](#)) ([Live Preview](#))

- Developed and maintained "EnigmaScrolls" a dynamic web platform serving **60+ live users daily**, built using the MERN stack with React Query
- Achieved a **20% increase in user engagement through enhanced UI/UX design** and innovative content strategies, fostering a dynamic user experience.
- Boosted **interaction among students by 10%** and heightened student interest.

SortSpectacle

([Source Code](#)) ([Live Preview](#))

- Engineered an interactive visualizer with React and Tailwind CSS, incorporating real-time animations and step-by-step execution **reducing learning time by 40% and boosting engagement by 25%**.
- Implemented 6 sorting algorithms (Merge sort, Quick sort, Selection sort, Insertion sort, Radix sort, and Bubble sort) with **3 adjustable speed controls** and interactive visualizations.
- Benefitted **over 90 college students**, improving their comprehension of sorting techniques.

GradePortal

([Source Code](#)) ([Live Preview](#))

- Built a secure result management system with **React.js and Fetch API**, providing students real-time access to academic results and rankings. **Reduced Search time by 50%**
- Successfully served **2000+ college students**, streamlining the process of result dissemination and access.
- Increased user interaction by **50% compared to the official college result website**.

EXPERIENCE

Society of Computer Science and Engineering (CSEC)

Executive Member

December 2022 - January 2024

NIT Hamirpur

- Successfully organized and led a **workshop on Data Structures and Algorithms** for **200+ students**.
- Authored original coding questions for the **Heuristics Monthly Contest**, providing an opportunity for students across the college to enhance their programming skills.

ACHIEVEMENTS

- Solved **500+ Data Structures and Algorithms problems** on various platforms like LeetCode and GfGs.
- Achieved a **2-star rating (1470+)** on CodeChef and ranked **1400 in CodeChef Starter 140 Div 4**.
- Attained the rank of **Pupil (1200+)** on Codeforces and Reached a rating of **1450+ on LeetCode**
- Secured **1st place out of 400+** participants in **State Mathematics Olympiad, 2022**