Yash Yadav
Bachelor of Technology
in Electrical Engineering
Indian Institute Of Technology, Ropar

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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	6.94 (Till 4th Sem)	2020-2024
Senior Secondary	Central Board of Secondary Education	92.6%	2020
Secondary	Central Board of Secondary Education	96.4%	2018

PROJECTS & EXPERIENCES

- **Personal Portfolio Website**
  Built with HTML5 , CSS3 and JavaScript   **Github**
  – This website is a professional website that provides information about what I do and how to contact me. It also gives insights about my education and projects.
  – Responsive Design
  – Live Style Switcher. It can be viewed in both light and dark mode.

- **YouTube Clone**
  Built with HTML,CSS & Vanilla JavaScript   **Github**
  – In this project I created YouTube Home page clone by using YouTube API to fetch the YouTube data and than processing the fetched data.
  – Modern CSS, including flexbox and CSS Grid for layout were used.
  – Functional Search Bar. Advanced responsive design using media queries.

- **Sudoku-Solver**
  C++ (DSA)   **WebPage**
  – The popular Japanese puzzle game Sudoku is based on the logical placement of numbers.
  – The goal of Sudoku is to fill a 9×9 grid with numbers so that each row, column and 3×3 section contain all of the digits between 1 and 9.
  – In this project I solved the Sudoku Problem using Back-Tracking Algorithm.Then I used HTML, CSS & JavaScript to create the Web Page.

- **LRU Cache**
  C++ (DSA)   **Github**
  – Least Recently Used is a common caching strategy in which, we evict least recently used elements from the cache to make room for new elements when the cache is full.
  – In this project we used Doubly-Linked List and Hashmap.

- **Goldman Sachs Virtual Engineering Program**
  Task- Cracking Leaked Password Database   **Certificate**
  – Learnt about the basics of Cryptography, Salting, Hashing algorithms like SHA and MD5 and password cracking tools.
  – Identified the type of hashing used in the passwords provided using hashes.com .

SKILLS

- **Programming Languages**: C++, C, JavaScript
- **Skills**: HTML & CSS || MATLAB ||Google Earth Engine || Data Structures & Algorithms
- **Soft Skills**: Leadership, Communication-(English and Hindi), Teamwork, Management

KEY COURSES TAKEN

- **CSE & Maths**: Introduction to Computing and Data Structures ,Algorithm & Data Structure,Tinkering Lab, Advanced Calculus, Linear Algebra, Differential Equations.
- **Electrical and Electronics**: Signals and Systems, Basic Electronics, Introduction to Electrical Engineering,Circuit Theory, Digital Circuits, Electromechanics, Control Engineering.

POSITIONS OF RESPONSIBILITY

- **Member**, E-Cell Core Team, IIT Ropar
- **Captain**,State Handball Team, Maharashtra

ACHIEVMENTS/CERTIFICATES

- **4 Star Coder on CodeChef**,   *Codechef*
- **Qualified JEE Advanced**,Among Top 4%   *2020*
- **Qualified JEE MAINS 2020**,Among top 1.1%   *2020*
- **HScTSS Scholar**,Scholarship given by the Govt of Haryana.   *2018*