AKSHAT AGGARWAL

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EDUCATION

National Institute of Technology, Hamirpur	Hamirpur
Bachelor of Technology, Computer Science & Enginnering, *CGPA: 9.69*	Dec 2020 - Present
The Scholars' Home	Paonta Sahib
Higher Secondary (12th), *Percentage: 97*	Apr 2019 - Mar 2020

WORK EXPERIENCE

Coding Ninjas	Remote
Technical Content Writer Intern	Mar 2023 - Jun 2023

- Created **high-quality** content covering a wide range of programming languages, frameworks, and tools.
- Authored and edited **technical blog posts, tutorials**, etc., aimed at helping students learn and improve.

Coding Shuttle	Remote
Problem Setter	Feb 2023 - Mar 2023

- Generated test cases and optimal solutions for problems based on **Data Structures and Algorithms**.

PROJECTS

RFID Attendance System (*Node.js, React, Express, MongoDB, Arduino*)   [Github]
- Developed an attendance tracking system that allows users to register their attendance by **scanning** RFID cards using an RFID reader.
- Established seamless **serial communication** between the Arduino board and Node.js.

Paint Application (*C++, WinBGIm Graphics Library*)   [Github]
- Created a comprehensive paint application with **user-friendly graphical interface**.
- **Features**: Save as JPEG file, Color Palette, Size options, etc.
- **Tools**: Brush, Flood Fill, Rectangle, Circle, Line, etc.

Sort Visualizer (*p5.js, CSS3, HTML5*)   [Live Preview | Github]
- Developed a web application to visualize various sorting algorithms.
- Implemented **Interactive UI** features, including the selection of sorting algorithms and adjustable parameters for visualization size and speed.

React Wordle (*React, CSS3*)   [Live Preview | Github]
- Created a web-based **word-guessing** game where users can guess a hidden word by entering their guesses.
- Implemented animations and media queries to enhance the user experience.

ACHIEVEMENTS

- 🏸 **CodeChef** - [master_mind14]
  - **6 star** | Maximum Rating: **2211**
  - One of the top **400** out of 2,00,000+ Indian users.
  - Ranked **30th** globally out of 2900+ participants in **March Cook-Off 2022** Div-2.
- **Codeforces** - [master._.mind]
  - **Expert** | Maximum Rating: **1671**
  - Ranked **143rd** globally (39th in India) out of 18,000+ participants in **Codeforces Round 820**.
- **Leetcode** - [AkshatAggarwal14] | Top **1.9%** (Max Rating - 2079)
- **Google** | Ranked **318th** out of 12,000+ participants in **Google Kickstart** 2022 Round G.
- **Cisco** | Selected as one of **23** finalist teams for **Code with Cisco** on-site codathon out of **14,000** participants.
- **StopStalk** | Solved **3000+** programming problems across all coding platforms.

SKILLS

Languages: C/C++, Python, Javascript, Go, MATLAB	**Frameworks:** React, Node, Express
Databases: MySQL, MongoDB	**Tools:** Git, GNU/Linux
Others: Bash, Markdown, LaTeX	

COURSEWORK

Data Structures & Algorithms	Operating Systems	Object Oriented Programming
Database Management Systems	Compiler Design	Distributed Systems
Computer Networks		

VOLUNTEER EXPERIENCE

CSEC NIT Hamirpur – *Coordinator*	Apr 2021 - Present

- Designed problems for monthly programming contest and Conducted programming meets on various topics.

CodeChef NIT Hamirpur Chapter – *Chapter Leader*	Jul 2021 - Jan 2022

- Conducted numerous programming contests and organized workshops (100+ attendees each).