# Akshat Aggarwal

📞 (+91) 7876212728 · akshataggarwal1411@gmail.com · Linked**in** Profile

## Education

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| **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

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| **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 over 30 **technical blog posts, tutorials**, etc., aimed at helping students learn and improve.

## Skills

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

## Projects

**RFID Attendance System** (*Node.js, React, Express, MongoDB, Arduino*)  `Github`
- Developed a highly efficient attendance tracking system by integrating RFID technology, enabling users to register attendance through **RFID card scanning** and streamlining attendance process.
- Established seamless **serial communication** between the Arduino board and Node.js.

**Paint Application** (*C++, WinBGIm Graphics Library*)  `Github`
- Developed a comprehensive paint application with **user-friendly graphical interface**, allowing users to create digital art effortlessly.
- **Features**: Save as JPEG file, Color Palette, Size options, etc.

**Sort Visualizer** (*p5.js, CSS3, HTML5*)  `Live Preview | Github`
- Created a web application to visualize various sorting algorithms, helping users understand how they work.
- 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`
- Achieved **6 star** rating with a peak rating of **2211**.
- Ranked among 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`
- Achieved the title of **Expert** with a peak rating of **1671**.
- Ranked **143rd** globally (39th in India) out of **18,000+** participants in **Codeforces Round 820**.

🎯 **Leetcode** - `AkshatAggarwal14`
- Ranked among top **1.9%** users on Leetcode with a maximum Rating of **2079**
- Ranked **99th** globally (5th in India) out of **18,000+** participants in **Biweekly Contest 91**.

**G** **Google** | Ranked **318th** out of **12,000+** participants in **Google Kickstart** 2022 Round G.

**cisco** **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.

## Coursework

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

## Volunteer Experience

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| **CSEC NIT Hamirpur** – *Coordinator* | Apr 2021 - Present |

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

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

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