

AKSHAT AGGARWAL

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EDUCATION

National Institute of Technology, Hamirpur

Bachelor of Technology, Computer Science & Engineering, *CGPA: 9.69*

Hamirpur

Dec 2020 - Present

The Scholars' Home

Higher Secondary (12th), *Percentage: 97*

Paonta Sahib

Apr 2019 - Mar 2020

WORK EXPERIENCE

Coding Ninjas

Technical Content Writer Intern

Remote

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

Problem Setter

Remote

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

Databases: MySQL, MongoDB

Others: Bash, Markdown, L^AT_EX

Frameworks: React, Node, Express

Tools: Git, GNU/Linux

COURSEWORK

Data Structures & Algorithms

Database Management Systems

Computer Networks

Operating Systems

Compiler Design

Object Oriented Programming

Distributed Systems

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).