

# AMAN GUPTA

India, Delhi

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## Education

**Delhi Technological University, Delhi**

December 2021 - Present

*Bachelor of Technology in Software Engineering(2K21/SE/21)*

CGPA: 9.46/10

**Greenway Modern School, Delhi**

April 2018 - April 2021

*Class XII*

93.4%

*Class X*

94.4%

## Experience

**Samsung Innovation Lab**

November 2022 – Present

*Research Intern*

*Delhi, India*

- Working at Samsung Innovation Lab, Delhi Technological University under the guidance of [Dr.Divyashikha Sethia](#) on **group authentication and data transmission scheme for NB-IOT in 5G Networks**.
- Devised a **protocol** for group authentication of IOT devices in 5G networks, and evaluated it using the well-known formal verification tool Scyther. The protocol effectively prevented **four additional types of attacks including ML attacks** compared to existing protocols.

## Projects

**DeCyber** | *React.js, Node.js, MongoDB, Express.js, Bootstrap* | [Github](#) | [Live](#)

- DeCyber, a **multiplayer game** developed with a friend for a tech fest, requires players to **decrypt** country-specific codes to capture countries, following the hypothetical scenario of a **cyber-war** in World War III.
- During the event, the website accommodated over **150 visitors** and boasted several impressive features, including a responsive design, a secure and sturdy backend, and quick loading times. Additionally, the website's sleek and visually appealing layout provided visitors with an enjoyable browsing experience.

**Portfolio Website** | *HTML, CSS, JavaScript* | [Github](#) | [Live](#)

- A well-designed portfolio website showcases the creator's dedication, hard work, abilities, and imagination to the viewers.
- It has a responsive design and provides an enjoyable user experience through elegant animations. The website demonstrates the creator's proficiency in front-end development principles.

## Technical Skills

**Programming and markdown Languages:** C/C++, Python, HTML, CSS, JavaScript, Markdown

**Technologies/Frameworks/Libraries:** React.js, Express.js, Node.js, Bootstrap

**Databases:** MongoDB, MySQL

## Position Of Responsibility

**Joint Secretary**

November 2022 – Present

*Mathematics and Computing Society - DTU*

- Managed a team of **250+ members**. Successfully organized multiple university-level workshops and Webinars having impacted 500 participants. I have also created a website for a technical festival that was able to accommodate more than 150 visitors.

## Achievements

- I am currently ranked **2nd** in the Software Engineering Department, with an impressive aggregate CGPA of **9.46**.
- Participated in **Hacktoberfest** placing among the top 40,000 participants.
- Selected to represent at the **Central level** of a science exhibition in tenth grade for constructing a working [mechanical arm](#), with responsibility for programming the arm using C++.
- Secured **1st position** in the [TechnOlympics](#) competition for creating a mechanical arm, hosted by Cambridge School Noida, with participation from over 50 schools.
- 2 star rated** coder on [CodeChef](#), with maximum rating of **1526**.
- Solved **more than 300 questions** of Data Structures and Algorithms of varying difficulties on [LeetCode](#) and [GeeksForGeeks](#) combined.