



Mehul Arora

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DOB: October 8, 2003

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[GitHub](#) [LinkedIn](#) [Portfolio](#)



Education

Indraprastha Institute of Information Technology, Delhi

B.Tech (CSE)

2021 - present

CGPA: 8.80

(Till 3rd semester)

Modern Vidya Niketan, Sec-17 Faridabad

CBSE, Standard 12, PCM+CS

2019 - 2021

Percentage: 95.6%

Modern Vidya Niketan, Sec-17 Faridabad

CBSE, Standard 10

2018 - 2019

Percentage: 97%

Skills

Expertise Area	Data Structures and Algorithms, Operating Systems, Computer Networks, Object Oriented Programming, Penetration Testing and Cybersecurity
Programming Languages	Java: 10k lines, Python: 10k lines, C/C++: 6.6k lines
Tools and Technologies	Docker, Git, Shell Script, Ghidra, IDA Pro, Burp Suite, MySQL, HTML, CSS, JS, Django, Nuxt.js, Vue, \LaTeX
Technical Electives	Data Structures and Algorithms, Operating Systems, Theory of Computation, Algorithm Design and Analysis, Fundamentals of Database Management Systems, Advanced Programming in Java, Computer Organization, Discrete Mathematics

Work Experience

Teaching Assistant, Introduction to HCI (Monsoon 2022), IIIT Delhi

(Nov, 22 - Present)

Advisor: Dr. Rajiv Ratn Shah

- Conducting weekly tutorials to assist students with the design process for interactive computing, and taking class sessions on storyboarding, prototyping and Figma.
- Assisting the professor in grading and related matters.

Projects

Vroom

Made for Anveshan 2.0 Hackathon, won the third prize

- **Tech Stack:** Figma, Flutter, Dart
- Used human cognition and operant conditioning to ideate a design that reduces distractions while driving.

Team Size-5

(Dec, 22 – Jan, 23)

TankStars — [GitHub](#)

Guide: Dr. Raghava Mutharaju

- **Tech Stack:** Java, LibGDX
- Created a Tank Stars clone using Java and LibGDX using OOP Concepts.

Team Size-5

(Aug, 22 – Dec, 22)

SimpleRISC Assembler and Simulator — [GitHub](#)

Guide: Dr. Sujay Deb

- **Tech Stack:** Python, Matplotlib
- Wrote a program that converts Assembly instructions from a self defined ISA into binary, simulates the behaviour on a RISC CPU with registers and memory locations and plots the memory access over time by the simulated CPU.

Team Size-3

(Jul, 22 – Aug, 22)

NoDoubtBot — [GitHub](#)

Guide: Dr. Pankaj Jalote

- **Tech Stack:** Python, Discord.py
- Wrote a B99 themed discord bot that calls multiple APIs to provide books, study material, dictionary definitions and memes; currently has over 600 active users.

Team Size-2

(Mar, 22 – Apr, 22)

Bhoojal Mapping — [GitHub](#)

Made for Anveshan 1.0 Hackathon, won the third prize

- **Tech Stack:** Python, JavaScript, Google Maps API
- Scraped data from GWCB's website to calculate water quality indices for each district and present water quality severity on a Google Maps instance.

Team Size-5

(Mar, 22 – Apr, 22)

Positions of Responsibility

Student Senate Representative for the batch of 2021 at IIIT Delhi	(Dec, 22 - Present)
Coordinator at d4rkc0de, the cybersecurity club of IIIT Delhi	(Aug, 22 - Present)
Computer Society Vice-Chairperson at IEEE IIIT Delhi Student Branch	(Jul, 22 - Present)
Chapter Leader at OWASP IIIT Delhi, an Application Security domain student chapter	(Apr, 22 - Present)
Core Member at Google Developer Student Club, IIIT Delhi	(Oct, 22 - Present)
Core Member at the Cultural Council, IIIT Delhi	(Oct, 22 - Present)

Volunteering Experience

CTF Developer and Volunteer at the AppSec Village, DEF CON, Las Vegas	(Mar, 21 - Present)
Joint Organiser at DEF CON Delhi 0x05 as a part of d4rkc0de	(Jun, 22 - Aug, 22)

Awards and Achievements

- Won **third prize at Anveshan 2.0** held in January 2023 in a team of 5.
- Got the **Dean's List Award** for Contributions to Communications Department 2022.
- Won the **Best Educational CTF Challenge Award** at DEF CON 30.
- Max rating of **1022 on Codeforces**.
- Ranked **2nd Worldwide at WreckCTF 2022** as a member of d4rkc0de.
- Ranked **4th in India at the CSAW CTF Finals** as a member of d4rkc0de.
- Ranked **4th Worldwide at the Digital Overdose CTF 2022** as a member of d4rkc0de
- Ranked **10th at the DEF CON Delhi 0x05 CTF** organised by the DC9111 group.
- **Won Aurora CTF** organised by DTU as a member of d4rkc0de.
- Ranked **5868th** at Google Kick Start 2022, Round F.
- Won **third prize at Anveshan 1.0** held in January 2022 in a team of 5.
- **Qualified Zonal Informatics Olympiad** to become an Indian National Olympiad for Informatics Qualifiee.
- Won the **Best Scientific Illustration Award** at the Shri Hari Inter-School Tech Task in a team of 2.

Interests and Hobbies

- **Music** - Active member of Audiobytes, the music society of IIITD since 2023.
- **Quizzing** - Core member of Trivialis, the quizzing society of IIITD since 2022.

Declaration: The above information is correct to the best of my knowledge.

Mehul Arora

Date: April 15, 2023