

# ANANYA CHANDRAKER

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## Education

### University College Dublin

*Master of Science in Human-Computer Interaction*

September 2025 –Present

Dublin, Ireland

### Manipal University Jaipur

*Bachelor of Technology in Information Technology*

November 2021 –June 2025

Jaipur, Rajasthan, India

## Internships

### ONGC Mangalore Refinery and Petrochemicals Ltd

*Web Development Intern*

June 2023 - July 2023

Mangalore, Karnataka

- Created a web-based system for managing food orders for conferences, seminars, and meetings for MRPL's internal use. By providing meeting specifics and choosing snacks, it expedited the meal ordering procedure. It made it easier for the meeting planners and the canteen contractor to coordinate. It produced an interface that was both aesthetically pleasing and intuitive, improving the user experience. Employing Java, HTML, CSS, and JavaScript, the system was implemented as a web application.

### i3 minds LLP

*Graphic Design Intern*

Dec 2022 - Jan 2023

Mangalore, Karnataka

- Worked on the upgrade of visual appeal of company logo, company website graphics design, and social media pages redesign. Tools: Adobe Photoshop, Adobe Illustrator

### Malaviya National Institute of Technology Jaipur

*Research Intern*

Jan 2025 – July 2025

Jaipur, Rajasthan

- Worked on a traffic and emergency healthcare prediction system using AI and data analytics.
- Contributed to the research publication and system design within the Department of CSE.
- The Government of India's AMRUT (Atal Mission for Rejuvenation and Urban Transformation) project kindly funded and supported this study. Resources and opportunities provided under this program were crucial in achieving the project's goals.

## Publications

### Mobile Health Apps and Network Integration: Transforming Healthcare Delivery

*RASESIA 2024 (Springer, Volume 2)*

June 2024

- \* Presented at the First International Conference on Recent Advances in Smart Energy Systems and Intelligent Automation (RASESIA 2024), organized by the Department of Electrical Engineering, NIT Kurukshetra, Haryana on 14–15 June 2024 (Hybrid Mode).
- \* Selected for inclusion in Springer Volume 2, as part of thematic segregation. The production process has commenced and is being coordinated via official communication from rasesia2024@nitkkr.ac.in. Submission of forms and files is required by 30 June 2025.

### MemFusion-Tformer: Memory-Driven Cross-Attention for Dynamic Congestion Prediction in Urban Networks

*IEEE iMETA2025*

October 2025

- \* Accepted for presentation at the 3rd International Conference on Intelligent Metaverse Technologies and Applications (iMETA2025), to be held from 14–17 October 2025 at Hotel Dubrovnik Palace, Dubrovnik, Croatia.
- \* Selected through a highly competitive review process with limited paper acceptance, recognizing the significance of the contribution.

## Projects

### Craft Your Digital Clock | Javascript, HTML, CSS

June 2024

- \* The Digital Clock project is a simple yet effective demonstration of using HTML, CSS, and JavaScript to create a functional and aesthetically pleasing clock displayed on a web page. This project helps in understanding the integration of front-end technologies to build dynamic web applications.

### Web-based vulnerability analysis and detection | Nessus, OWASP ZAP, Burp Suite

Jan 2024 - present

- \* Specialized in identifying and evaluating security risks in web applications, focusing on preventing data theft, unauthorized access, and hacking. Utilizes a combination of automated and manual tools to scan and secure websites, including their code, databases, and authentication systems. Committed to enhancing cybersecurity through continuous monitoring, periodic vulnerability checks, software updates, strict security guidelines, and user education. Proactively mitigates threats to maintain secure web assets and uphold a trustworthy online presence.

**Blood-Organ Donation Management System | HTML, CSS, JavaScript, PHP**

**July 2023**

- \* The main aim of creating a blood and organ donation management system is to streamline the process of managing blood and organ donations, ensuring efficient coordination among donors, recipients, and healthcare organizations, ultimately leading to more successful donations and improved patient outcomes.

## Technical Skills

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**Languages:** Python, C, HTML/CSS, JS, SQL

**Developer Tools:** VS Code, Jupyter Notebook

## Leadership / Extracurricular

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<b>Snapchat Opinion Leader</b>	<b>Oct 2023 - Present</b>
<i>SOL</i>	<i>Under 25 Universe</i>
<b>General Secretary</b>	<b>Oct 2022 - April 2023</b>
<i>Humans of Manipal Jaipur</i>	<i>Jaipur, Rajasthan</i>
<b>Head Of Design</b>	<b>July 2022 - Nov 2022</b>
<i>Humans of Manipal Jaipur</i>	<i>Jaipur, Rajasthan</i>
<b>Interview Head</b>	<b>April 2022 - July 2022</b>
<i>Humans of Manipal Jaipur</i>	<i>Jaipur, Rajasthan</i>
<b>Make A Difference (MAD)</b>	<b>November 2021 – Present</b>
<i>Transitional Readiness Wingman</i>	<i>Mangalore, Mumbai, Karnataka, Maharashtra</i>

\* My responsibility at MAD was to mentor and support an 11th grader during his time in the program. My role was to support him mentally and offer guidance on how to choose his career and how to handle difficult conversations with his family. Worked well in a team setting, providing support and guidance. Used critical thinking to break down problems, evaluate solutions, and make decisions. Self-motivated, with a strong sense of personal responsibility. Though I am currently not mentoring any youth, I am still associated with this organization.

## Achievements

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- \* Marathon Winner for 3 consecutive years 2017,2018,2019
- \* Marathon 1st Runner Up for 2 consecutive years 2015,2016
- \* Marathon 2nd Runner Up in 2014

## Certifications

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- \* Product Design Job Simulation, Accenture
- \* Introduction to Forensic Science
- \* Build Real-World Applications with Python
- \* Introduction to Front-End Development
- \* Codestudio- Fundamentals of HTML
- \* Character Design for Video Games
- \* Concept Art for Video Games
- \* Pixel Art for Video Games
- \* What is Metaverse? Issued by META
- \* SSOC Season 2, Hack2skill
- \* Hacks 7.0- Hackathon
- \* AWS Cloud Technical Essentials
- \* Complete French Course