**Tuhina Chakravarti**

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<https://github.com/ttuhina>

Third Year B.Tech student

Computer Science and Engineering Hons. (IoT and IS)

Manipal University, Jaipur

**Education**

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| --- | --- | --- | --- |
| **Year** | **Degree/Exam** | **Institute** | **Percentage/CGPA** |
| 2022- Present | Computer science and engineering Hons. ( IoT and IS) | Manipal University, Jaipur | 7.61/10 |
| 2022 | XI-XII, TSBIE | Telangana State Board | 90.4 |
| 2020 | X, CBSE | Army Public School, Sukna | 93.2 |

**Experience**

**Data science intern - Celebal Technologies June 2024-present**

-Currently engaged in a project utilizing the Microsoft Bot Framework, MySQL, Node.js, and Express.js, focused on developing and refining skills in building intelligent chatbots and backend systems. Enhancing proficiency in full-stack development using the MERN stack.

**Projects**

**OppSeek**

- Developed a website dedicated to connecting web developers seeking internships or freelance work with companies offering paid and unpaid internships. The platform also facilitates connections between individuals requiring website development or technical assistance, and skilled professionals.

- Utilizes HTML, CSS, and JavaScript for front-end development. Employs MySQL for database management.

**IoT Project : Hardware for Smart Shopping Cart**

- Developed hardware and code for a shopping cart that scans products as they are added, designed to prevent crowds at stores by streamlining the checkout process.

- Uses RFID technology and employs Arduino Uno and Arduino IDE.

**IoT Project : Hardware for morse code generating torch**

- Developed hardware and code for a Morse code generating torch that is ideal for emergency signalling in crisis situations, outdoor activities, and remote communication.

- Developed using Arduino Uno and Arduino IDE.

**Bar Code Generator**

- Developed a system that generates a barcode for any document link, facilitating easy sharing of presentations and study materials among students and seminar attendees. This solution addresses the challenge of distributing documents when direct sharing is impractical or when no pre-existing group is available.

- Developed using Python as a Data Communications project.

**To-Do list Manager**

- Developed a to-do list managing application that allows users to create, update, and delete tasks, set priorities, and track deadlines.

- Developed using Java and object-oriented programming (OOP) concepts.

**Skills**

**Programming Languages:** Python, Java, C

**Web Development:** HTML, CSS, JavaScript, Node.js, Express.js, PHP

**Database Management:** MongoDB, SQL

**Embedded Systems:** Arduino

**Other:** Bot development using Microsoft bot framework, API development and management

**Positions of Responsibility**

**Joint Head of Content – ENACTUS Chapter, MUJ July 2023-Apr 2024**

- Contributed to the development of DHI mobile application, which serves to empower rural communities by providing access to information about government schemes, women's menstrual health resources, and educational opportunities for the underprivileged. Played a role in creating a platform aimed at bridging the information gap in underserved areas.

**External Fest Co-ordinator – TMC, MUJ Jan 2024-Apr 2024**

- Facilitated management of external festivals and coordinated nationwide event participation for our club. Served as a liaison for sharing information and managing communication.

**Core Committee for Major Events – Oneiros’24, MUJ Jan 2024-Feb 2024**

- Directed the organization of all major events during Oneiros’24, Rajasthan's biggest techno-cultural festival. Oversaw planning, coordination, and execution of events with unparalleled footfall, ensuring seamless operations and unforgettable experiences for attendees.