

# SULTHANA SAFEER

2<sup>nd</sup> Year B.Eng. computer system student

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## OBJECTIVE

Driven and resourceful aspiring technologist with a strong foundation in both hardware and software development. While lacking formal work experience, I have successfully completed numerous projects, demonstrating my dedication and ability to apply my skills effectively. Proficient in hardware technologies such as Arduino, Texas Instruments, and other embedded systems, I have developed a solid understanding of their applications and implementation. On the software side, I am adept in Python, Arduino IDE, Java, Android Studio, HTML, CSS, and JavaScript, allowing me to tackle diverse programming challenges. Furthermore, my self-taught expertise in 2D animation, working with CAD, SOLIDWORKS, Krita, Blender, and Adobe Photoshop, enables me to create visually appealing and engaging graphics. Aspiring to pursue a career as a data scientist, I am eager to secure an internship within a tech company to gain practical experience and contribute to cutting-edge projects.

In addition to my technical skills, I possess a strong passion for learning and staying up to date with the latest advancements in the field of technology. I actively engage in online communities, forums, and attend tech conferences to expand my knowledge and connect with like-minded individuals.

As I aspire to become a data scientist, I understand the importance of data-driven decision-making and its impact on driving business growth. I am enthusiastic about leveraging my programming and analytical skills to extract meaningful insights from vast amounts of data, enabling organizations to make informed decisions and optimize their operations.

## EDUCATION

Middlesex University  
Bachelor of Engineering -  
BE, Computer Systems  
Networking and  
Telecommunications Sep  
2021 - Mar 2024

## LINKED IN

<https://www.linkedin.com/in/sulthana-safeer685b120>

## KEY SKILLS

User experience (UX)  
Wireframing  
Graphic Design  
User Interface (UI)  
Problem Solving  
Project Management  
Story Board  
Leadership.

## RELEVANT SKILLS:

1. *Hardware: Arduino, Texas Instruments, embedded systems*
2. *Software: Python, Arduino IDE, Java, Android Studio, HTML, CSS, JavaScript, MATLAB*
3. *Graphics: Self-taught, proficient in CAD, SOLIDWORKS, Krita, Blender, Adobe Photoshop*
4. *Data Science: Aspiring data scientist, knowledge of statistical analysis and machine learning concepts*

## PROJECTS

[Temperature Sensor Project (Year 1)]: Created a thermometer using Arduino sensors and the Arduino IDE.

[Maize Robot (Year 1)]: Built with Texas Instruments, launchpad, and Code Composer Studio. The goal of the robot was to navigate its way out of the maze by employing line sensors to identify its location relative to a black line on a white field, and it was done in groups of four.

[Emotional Bot/ Moodybot (year 2)]: Arduino-based project that uses pushbuttons as keyboards for the user to keep track of his or her emotions on a weekly basis. The tracking is done using an app that alerts the user once a week.

[Wearable fitness tracker using STM32(year 2)]: As a group project, we created a wearable tracking device using Python and the STM32L475 microcontroller, which allows us to observe the number of steps taken and calorie loss via the user's heart rate and workouts.

[PillBot (year 2)]: It is an innovative and technologically advanced technology developed to aid healthcare providers in securely and remotely providing drugs to users, particularly those with infectious conditions. The Arduino-based gadget can deliver medications at predetermined periods established by the doctor without requiring physical touch.

[Yana Animations (on going)]: Designed and animated a promotional video for a local business and Content using Krita and Adobe express, enhancing brand awareness, customer engagement and content creation, overall reached 16,500 accounts within 5 videos.

[Emotech (ongoing)]: Detecting face traits using machine learning and AI to improve user experience. The main goal of this project is to make users' lives a little simpler while dealing with any type of mental stress or psychiatric condition that necessitates a certain routine and examination. Emotech is a user-friendly bot that assists with tracking and advising

## ADDITIONAL SKILLS:

- Strong problem-solving and analytical abilities
- Excellent communication and teamwork skills
- Self-motivated and quick learner
- Attention to detail and commitment to delivering high-quality.

## REFERENCES

[Available upon request.]