Mohtashim Butt

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EDUCATION

Lahore University of Management Sciences - BS Computer Science   **2020-2024**

Relevant Courses: *Computer Vision, HCI, ICT4D, Introduction to Psychology, Linear Algebra with Differential Calculus, Probability and Statistics, Advanced Programming, Introduction to AI, Data Structures*

EXPERIENCE

Teaching Assistant – *Pre-Calculus & CS-100 & CS-200*   **Spring-22 & Fall-23 & Spring-23**

- Head Teaching Assistant of CS-100.
- Assisted a class of **100+ students** with course material and concepts.
- Conducted **office hours**, **tutorials** and marked labs, quizzes and assignments.

Centre for Business and Society – *Media intern*   **Aug 2022 — Sept 2022**

- **Designed** and managed content for CBS website and **social media handles**, which encompassed Instagram, Facebook, Twitter, and YouTube.
- Was a key part of their annual brochure and merchandize **design team**.
- Manged all **logistical** and technical aspects for their UN SDG webinar.

LUMS Human Resource Department – *Student Intern*   **Dec 2021 — Feb 2022**

- Worked on **online vaccination portal** to verify vaccination certificates of employees and students
- Managed the influx of employees and digitised their data on a software ***M-files***

PROJECTS

Ta'awun – *A disaster management web-portal*   **Spring 2023**

About: *A fully functional web-portal where NGOs can post about their donation campaigns and volunteer work positions and Donors can donate/sign-up for volunteering by viewing those posted campaigns.*

My Role:

- Majorly contributed in Project Proposal, SRS and SDS documents.
- Designed prototypes, front-end and contributed to backend development of the project.
- Link to the project: https://github.com/shahmeerify/Taawun

Handy – *It's all in your hands now!*   **Fall 2022**

About: An assistive application for the students with ADHD to help them in their academics and cope with the disorder in an easy and interactive way.

My Role:

- Contributed to the intense user research interviews and literature review to come up with a solution.
- Designed all the paper prototypes.
- Contributed to the functional prototype for our application and got them tested from the users.
- Link to the prototypes: Handy: It's all in your hands now

Computer Vision – *Automatic Lane Detector*   **Fall 2022**

- Designed an algorithm for a car to automatically detect Lanes from a road which will assist the car in autopilot.
- Link to the Project: Lane Detector

Electrical Engineering – *A wireless Breathing Rate Calculator*   **Spring 2021**

- Designed an algorithm and implemented on **MATLAB** for a computer to calculate breathing rate after receiving **RFID signals** from a person wearing **RFID tags**.

SKILLS AND INTERESTS

- Badminton, Foreign Politics, Photography, Film, and cinematography.
- Microsoft office (Excel, Word, PowerPoint), C++, Python, MATLAB, CSS (tailwind&bootstrap), React, Haskell.
- Adobe Premiere Pro, Photoshop, illustrator, Figma and Canva.