Moiz Sohail

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EDUCATION

Lahore University of Management Sciences – BSc (Honors) in Economics and Mathematics/ CS minor - **CGPA: 3.80**   *2017 - 2021*

Relevant Courses: Deep Learning, Human Computer Interaction, Network Security, Discrete Mathematics, Advanced Programming, Network Centric Computing, Computer Graphics, Computer Vision, Data Mining

WORK EXPERIENCES

Summer research project In Computer Vision – *Research Project*   *Summer 2020 & Summer 2019*

- The research was based on extended pose estimation model that reconstructed 3D models of humans from a single image. Our research involved recompiling the model to allow for rigid object reconstruction**.**
- The 2020 project involved optimization of brick kiln detection across Asia to assess the progress of "Sustainable Development Goals of 2030".

Head TA for Computational Problem Solving (CS100) – *Teaching Assistant*   *Fall 2018 & Fall 2019*

- Responsible for overlooking **9 other assistants**, conducting tutorials and aiding students in their journey to Computer Science.

TA for Computer Vision (CS436) – *Teaching Assistant*   *Fall 2020 & Spring 2020*

- Responsible for creating and grading assignments for both graduates and undergraduates' students was responsible for 60% of the course.

AgroBotix – *Startup*   *August 2017 – August 2018*

- An automated seeder project intended to be introduced in Pakistan, I was responsible for web development and consultation.

Vlancer – *Startup*   *February 2020 – till date*

- A fiver like **freelancing platform** for university students in Pakistan.
- Created an app and a website and is currently in

LEADERSHIP & EXTRACURRICULAR

Spades IT Director   *2018 – 2019*

- Responsible for improving the infrastructure of the society by integrating modern technology to smoothen some of the key process in the society.

Student council   *2018 – 2019*

- Given the duty to maintain school decorum and organize events in A level.

PROJECTS

Deep Learning

- **Mask Detection**: Tags all the people not wearing masks in a live feed.
- **Semantic Analysis**: An algorithm that detects whether a movie review has a negative or positive sentiment to it.

App and Web development

- **PsifiXI**: Launched a website and an app for the LUMS biggest science event.
- **Dementia Care**+: Platform for connecting caregivers of Dementia patients in Pakistan.

Web Scrapers

- **YoutubeDownloader**: Downloads the whole online playlist to mp3 on your computer

HONOURS & AWARDS

- Placed on **Dean's Honor List** in every academic year   *2017 – 2020*
- Runners Up at **TechStars Startup Weekend** for Agrobotix   *November 2017*

SKILLS

- Expert in **Python, C++, HTML, CSS, Dart, and JavaScript.**
- Proficient in database modelling and management by **MySQL and MongoDB**.
- Three years of experience in web development building on modern frameworks like **NodeJS, Django and Vuejs.**
- Two years of experience in android app development on **Flutter**.
- Experienced in developing and deploying AI bots and applications on **TensorFlow**.
- Expert in **Adobe Photoshop, Illustrator, After Effects and Lightroom**.