



# Moiz Sohail

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## EDUCATION

**Lahore University of Management Sciences** – BSc (Honors) in Economics and Mathematics/ CS minor - **CGPA: 3.75** 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

**Software Engineer at Educative** – *Software Engineer*

May 2021 - Present

- The job involves adding features and fixing bugs for [educative](#) using frameworks like NextJs and GoogleAppEngine.

**Virtual Internship at Indonesia via AISEC** – *Internship*

April 2021-June 2021

- The internship involved designing and deploying a WordPress site for [kebutterus](#).

**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.

**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.

For a list of projects click [here](#)

## HONOURS & AWARDS

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

2017 – 2021

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, Vuejs and ReactJs**.
- Three 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**.