# MUHAMMAD QASIM

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## Education

**UGRAD (Exchange Semester)**
Computer Science, Fayetteville State University, NC, USA          Jan. 2022 - May. 2022
- GPA: 4.0, mentioned in the Chancellors List.

**BS (Hons)**
Computer Science, University of Engineering and Technology Lahore          Oct. 2018 - Jan. 2023
- CGPA: 3.806, among the top 3 students of the department. Expected first class Honors degree.

**Intermediate**
(HSSC) Computer Science, Punjab College for Boys Sialkot          2016 - 2018
- Gold Medalist, **94.09**% (1035/1100) with the first position in the whole division.

**Matriculation**
(SSC) Computer Sciences, Harvard Grammar High School          2014 - 2016
- **92.27**% (1015/1100) with the first position in the whole school.

## RESEARCH EXPERIENCE

**Leveraging Self-Supervised Learning for Medical Image Classification (InProgress)**     Sep 2022 - Ongoing
Proposed research on using self-supervised learning in finding scalable efficient methods for non-invasive Skin Liaison Detection and synthetic medical (skin-liaison) data generation using ViTs.

**Research Intern at Intelligent Systems Lab, FSU, NC USA**          Feb 2022 - May 2022
Implementation of machine learning algorithms from scratch and deploying them on end-to-end web systems.

**Social Interaction Guide for Visually Impaired People**          Jul 2021 - May 2022
Undergraduate research thesis based extensive project that included collecting user data researching and developing prototype mobile compatible machine learning models and image processing to enable visually impaired people to interact with the environment.

## JOB EXPERIENCE

**AxcelerateAI - Machine Learning Engineer**          Oct 2022 - Ongoing
Working in R&D team to provide computer vision and machine learning solutions. Lately I have been working on English text-to-speech conversion.

**OmdenaAI - Junior Machine Learning Engineer (Remote)**          Sep 2022 - Ongoing
Data collection and processing for machine learning model trainings.

## INTERNSHIPS AND WORK EXPERIENCES

**Internship Experience UK**          June 2022
3 day long virtual internship arranged by Bright Network UK, where I learned and administrated effective public policy making.

**Microsoft Learn Student Ambassador**          2020 - Present
Alpha level ambassador to train aspirants about Microsoft tools and services including azure, office 365, etc.

**Open-Source Contribution**          2019 - Present
Developing programs and software, making it publicly available on GitHub and contribution to other's code.

## TEACHING EXPERIENCES

**Teaching Assistant – CS Department UET Lahore**          Sep 2022 - Ongoing
Working as an undergraduate teaching assistant for Data Structures and Algorithms Lab.

**Machine Learning Online Workshops**          Dec 2020 - Ongoing
Taught machine learning with hands on practice on real datasets in several training workshops.

## MASSIVE OPEN ONLINE COURSES (MOOCs)

**Deep Learning Specialization - Andrew NG – Coursera.org**          Ongoing
**Machine Learning with Python – Cognitiveclass.ai**          Completed
**Data Analysis with Python - Cognitiveclass.ai**          Completed