



# Talha Tahir

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**Home:** Sunflower Society Johar Town, 54000 Lahore (Pakistan)

## EDUCATION AND TRAINING

### Bachelors of Science in Computer Science

**Lahore University of Management Sciences (LUMS)** [ 01/09/2019 – 31/05/2023 ]

City: Lahore | Country: Pakistan | Website: <https://www.lums.edu.pk/>

## PUBLICATIONS

[2023]

**Evaluating Container Debloaters** A collaborative effort between LUMS, Stanford and Arizona State University to create a universal benchmark for software debloating tools.

## WORK EXPERIENCE

### Software Engineer

**10xEngineers** [ 01/06/2023 – Current ]

City: Lahore | Country: Pakistan

- Full stack development for cloud-V and llvm-playground.
- Improve efficiency of AI models for specific hardware.
- Coach incoming junior batches.

### Software Developer Intern

**Volga Partners** [ 01/03/2023 – 31/05/2023 ]

City: Lahore | Country: Pakistan

- Gained insights into collaborative work environments and real-world web development practices.
- Learned industry-standard development processes and practical knowledge from seasoned professionals.

### Research Assistant

**LUMS** [ 01/03/2022 – 01/03/2023 ]

City: Lahore | Country: Pakistan

- Research assistant at university's network security department.
- Focused on enhancing software security under experienced professionals.

## PROJECTS

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[ 01/01/2023 – 01/06/2023 ]

### Recipe Sharing

- A full-stack application where users can share their recipes, can create their shopping list, can search for specific categories and much more.

Link: <https://recipe-front-156wkbncb-taalhaataahir0102.vercel.app/>

[ 01/07/2022 – 01/12/2022 ]

### Image Reconstruction

- Reconstructed complete face images from masked faces
- Deep learning models including GANs and autoencoders were used to complete the task

Links: <https://github.com/taalhaataahir0102/Image-Reconstruction> | [https://medium.com/@talhatahir\\_77835/face-image-reconstruction-using-autoencoder-a26a8a0a3aa4](https://medium.com/@talhatahir_77835/face-image-reconstruction-using-autoencoder-a26a8a0a3aa4)

[ 01/07/2021 – 01/12/2021 ]

### Eyewear

- Developed a full-stack application for an eyewear store
- The application incorporates an augmented reality feature that enables users to virtually try on glasses using their own pictures

Link: <https://github.com/taalhaataahir0102/Eyewear>

[ 01/07/2021 – 01/12/2021 ]

### Multi Camera Surveillance System

- Created a software that utilizes computer vision techniques to detect COVID-19 SOP violations
- The software detects no masked faces using deep learning. It also helps in maintaining 6 feet distance between individuals

[ 01/06/2023 – 01/02/2024 ]

### LLVM Open Source Contributions

- Added enhanced colorization features in symbol search for LLDB (A high-performance debugger)

Links: <https://github.com/llvm/llvm-project/pull/69422> | <https://github.com/llvm/llvm-project/pull/76112>

## DIGITAL SKILLS

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Programming Languages (C++, Python, MATLAB, Javascript, HTML, Solidity) / Frameworks (TensorFlow, PyTorch, Keras, React, Express) / Cloud Platforms (GCP, Azure) / Version Control Systems (Git, Github, Jupyter Notebook, Docker, Slack) / Operating Systems (Linux, Windows)