



Muhammad Mobeen Abid

Nationality: Pakistani **Phone number:** (+92) 3348997600

Email address: mobeenabid01@gmail.com

Website: <https://www.linkedin.com/in/mobeen-abid-21521b211/>

Home: House # C-5 500kv NTDC Faisalabad (Pakistan)

RESEARCH INTEREST

Computer vision, Machine learning, Deep learning, Generative AI

EDUCATION AND TRAINING

Master of Science in Software Engineering, specialization in Deep Learning

National Textile University Pakistan [21/11/2021 – 27/12/2023]

Address: Faisalabad (Pakistan)

Field(s) of study: Software Engineering

Final grade: 3.37/4

Thesis: Computationally Intelligent real time security surveillance system in education sector using deep learning

Bachelor of Science in Computer Science

National Textile University Pakistan. [15/09/2017 – 27/09/2021]

Field(s) of study: Computer Science

Final grade: 2.80/4.0

Thesis: " AR (Augmented Reality) Balloon Shooting Game Android application Using (Unity and Firebase Database)."

WORK EXPERIENCE

Teacher Assistant

National Textile University Faisalabad (Pakistan) [01/09/2022 – Current]

Country: Pakistan

I worked as a graduate teacher assistant at NTU. Assisting in Different courses like Digital image processing, Computer vision, Machine Learning, Introduction to computer, Introduction to programing, Digital logic design, Database, Operating system etc.

Database Developer

Multi Techno (Pakistan) [01/08/2021 – 30/11/2023]

City: Faisalabad

Working on Oracle 11g&12c forms and reports to build a responsive ERP system for different firms.

Web Developer Intern

National Freelance Training Program (NFTP) [01/04/2021 – 31/07/2021]

I did an internship as a web developer at National Freelance Training Program (NFTP) approved by the Ministry of Information Technology & Telecommunication (MoITT), Pakistan.

Android App Developer

Freelancing (Upwork) [17/11/2020 – Current]

Country: Pakistan

Link: <https://www.upwork.com/freelancers/mobeenabid>

- I'm a professional Android App Developer of native language (Kotlin & Java) with 3+ years' experience.
- I've been working as a freelancer since 2020 and have built different applications.

LANGUAGE SKILLS

Mother tongue(s): **Urdu**

Other language(s):

English

DIGITAL SKILLS

Python developer and machine learning

Python / Deep learning / Computer Vision / Keras / Machine Learning / TensorFlow / OpenCV / Scikit-Learn / Pandas / Artificial Intelligence / Deep Learning / Data extraction, Data preprocessing, Data visualization, Data cleaning

Native Mobile App developer

Kotlin & Java

PROJECTS

Tetris game or Mind reader game

- Both games are developed in C++.
- The goal of this project is to show our programming logic.

Management system for Employee

- This project develop using .Net and MySQL
- The goal of this project is to provide an easy way to manage employee data.

Epic store Web application

- This project was developed using HTML5, CSS3, Bootstrap, jQuery, and PHP my admin Database.
- The goal of this project is to provide an easy way to buy a different game easily and safely. I copied this website but look like a real one.

Art Gallery Android Application

- This project was developed using Kotlin and Firebase Database.
- The goal of this project is to provide an easy way to people to buy and sale Art on one platform with suitable price and this application work online.

COVID'19 prediction System

- This project was developed using Python.
- The goal of this project is to predict the effected people and areas in whole world. They work perfectly but low accuracy.

AR (Augmented Reality) Balloon Shooting Game Android application (bachelor thesis)

- This project was developed using Unity and Firebase Database.
- The goal of this project is to introduce new technology to the computer science field.
- I'm the first student in our department to develop a mobile application using AR technology.

Computationally Intelligent real time security surveillance system in education sector using deep learning (Master Thesis)

- Purpose of design to provide a cost-effective solution for security surveillance.
- In this research I use RetinaFace for face detection and FaceNet for Face recognition then I achieve 99.86% accuracy.
- Entire code of these algorithm in Python using anaconda environment.
- Main Point of this research I collect real time dataset and this system work in real time environment.

PUBLICATIONS

Title:- Computationally Intelligent real time security surveillance system in education sector using deep learning (PlosOne) [2024]

Authors:- Muhammad Mobeen Abid, Toqeer Mahmood, Rehan Ashraf, CM Nadeem Faisal, Haseeb Ahmad, Awais Amir Niaz

Link:- <https://doi.org/10.1371/journal.pone.0301908>

PERSONAL SKILLS

Research Skills

- The strong command to investigate the problem and design the solution using field knowledge and implementation using a tool like Python.
- Able to work individually without direct supervision and dedicated member of the technical team when required.
- Critical thinking to understand the problem quickly.
- Experience with technical writing.

Communication skills

- Excellent written and **verbal** communication skills.
- Confident, articulate, and professional speaking abilities.
- Very confident in talking to each other.

RECOMMENDATIONS

Supervisor of Master Thesis & Bachelor Thesis

Name: Dr. Toqeer Mahmood

Email: toqeer.mahmood@ntu.edu.pk

Taught multiple Courses related to software engineering & Artificial intelligence

Co-Supervisor of Master Thesis & Bachelor Thesis

Name: Dr. Rehan Ashraf

Email: rehan@ntu.edu.pk

Taught multiple Courses related to Artificial intelligence