# Khadija Tahira

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## EDUCATION

**Lahore Garrison University**                                                                               Lahore, Pakistan
*Bachelor's in Computer Science*                                                                          *March 2020 - March 2024*

## TECHNICAL SKILLS

**Programming Languages:** Python, HTML/CSS, JS, C++
**FrameWorks:** Flask, Bootstrap/ Tailwind CSS, React
**Libraries and Tools:** PyTorch, Tensorflow, Sklearn, Pandas, Numpy, OpenCV, MUI5, Git
**ML Architectures  Algorithms:** CNN, YOLO, KNN, Random Forest, Linear Regression, Neural Network

## PROFESSIONAL SUMMARY

**Frontend Developer - Intern**
*Arkhitech*                                                                                                    *April 2024 - june 2024*

- Worked on a project using Electron.js for desktop applications.
- Integrated APIs to connect and retrieve data.
- Implemented Redux Toolkit to optimize state handling and improve application performance.
- Applied backtracking to solve complex problems.
- Conducted debugging to identify and resolve software issues.
- Utilized Tailwind CSS and Material-UI (MUI5) for creating pixel-perfect designs and responsive interfaces.

**FYP**
*AI Safe Rider*                                                                                               *Sep 2023 - Jan 2024*

- Developed a road safety model to detect whether a person is wearing a helmet, generating a challan if a helmet is not detected.
- Implemented a deep learning algorithm YOLOv8 for object detection and bounding box creation.
- Built the frontend using Flask to provide a user-friendly interface.
- Utilized Tailwind CSS to ensure responsive design.

## PROJECTS

- **Face Mask Detection**,Integrated Convolutional Neural Networks (CNN) and OpenCV for accurate detection. Leveraged CNN for image classification to develop a robust detection model. Capable of identifying the presence or absence of face masks in images and real-time video streams.
- **Restaurant management system**, Implemented OOP Concepts. Tkinter GUI toolkit used with Python.
- **Account Management System**, Developed a Bank Account Management System, enhancing user experience and simplifying account handling processes. Implemented the Model-View-Controller (MVC) design to ensure functionality of the system.Enabled users to perform account operations such as creation, viewing, updating, and deletion.

## ACHIEVEMENTS

- University High Achiever's Certificate: Awarded Consistently since 2020 maintaining a GPA of 3.7+.

## EXTRACURRICULAR ACTIVITIES

- Continuous learner, exploring online courses and tutorials to stay updated with the ever-evolving tech landscape.
- Regular attendee of workshops and seminars, expanding knowledge in specialized areas of computer science.