

## ANEEZA SABIR BUTT

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### Education

#### UNIVERSITY OF ENGINEERING AND TECHNOLOGY

Bachelors in Computer Engineering (3.476)

Lahore, Pakistan

Oct 2020 – June 2024

### Professional Experience

#### HIGHNOON LABORATORIES LTD.

Lahore, Pakistan

Focus on finding innovative developments for healthcare

##### IT Intern

June 2023 – July 2023

- *Machine Learning*: Identified patterns in Titanic and credit card fraud datasets, improved fraud detection accuracy by 15%

#### AL-KHAWARIZMI INSTITUTE OF COMPUTER SCIENCE (KICS)

Lahore, Pakistan

Promote research and development in various fields of Computer Science and Information Technology at UET

##### AI Intern Trainee

July 2022 – September 2022

- *AI/ML Proficiency*: Attained mastery in 4+ Python libraries (like NumPy, Pandas, Matplotlib, TensorFlow, etc), and gained knowledge and proficiency in AI and ML concepts such as Regression, Classification, Clustering, SVM, CNN, and more

### Academic Experience

#### IRREGULAR AREA AND QUALITY MEASURING MACHINE FOR TANNERY INDUSTRY (FYP)

Lahore, Pakistan

Automating leather quality assessment and area measurement

##### Project Group Leader

September 2023 – April 2024

- *Precision Improvement*: Developed a CNN-based machine learning model using Python, OpenCV, and TensorFlow, achieving 90%+ accuracy in detecting defects and measuring irregular leather areas, and implemented an interface using MERN stack to streamline operations in the tannery industry

#### FACIAL EMOTION RECOGNITION USING PYTHON

Lahore, Pakistan

Detecting and classifying emotions in real-time

##### Project Group Leader

October 2022 – December 2022

- *Accuracy Enhancement*: Achieved an accuracy rate of 85%+ through the development and training of a Convolutional Neural Network (CNN) project using Keras, TensorFlow, OpenCV, and various built-in libraries on the FER2013 dataset with FERPlus labels

### Extracurricular & Volunteer Experience

#### UET ACM SOCIETY

Lahore, Pakistan

- *Director General*: Led 70+ members of the team in strategic initiatives for society's excellence

#### AMAL ACADEMY

Lahore, Pakistan

Stanford-backed education startup offering professional skills to students and businesses

##### Career-Prep Fellow

August 2023 – October 2023

- *Skill Enhancement*: Stanford University-sponsored 3-month Fellowship recipient, selected from 4,500 applicants, dedicating 150 hours to bolster essential business skills for heightened job impact

### Honors and Awards

#### AWARDS AND CERTIFICATIONS

- Awarded a shield for successfully managing an entire university society event
- Received Python Programming Certificate from Python Career Trainers

May 2023

April 2023

### Additional

- *Technical Skills*: Python, SQL, C++, JAVA, HTML, CSS, JavaScript, ReactJS, MS Office, Assembly, MATLAB, AutoCAD
- *Soft Skills*: Teamwork, Time Management, Problem Solving, Project Management, Leadership, Critical Thinking