

Engineer Aleena Rafique

Software Engineer

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03093682953

Hyderabad

As a dedicated Software Engineer, I am eager to leverage my strong background in software development and my enthusiasm for cutting-edge research.

EDUCATION

Masters

Mehran University of Engineering & Technology
Jamshoro

02/2022 - 09/2024

3.75

M.E Software Engineering

- An Analysis of Stress Detection Between Working Women and Housewives using wearable devices

Bachelors

Mehran University of Engineering & Technology
Jamshoro

10/2017 - 12/2021

3.54

B.E Computer Systems

- Social Distance & Mask Monitoring Drone For COVID-19 Prevention

WORK EXPERIENCE

Lecturer

Hyderabad Institute of Technology and
Management Sciences

09/2025 - Present

Hyderabad

Lecturer

Mehran University of Engineering & Technology

10/2024 - 09/2025

Jamshoro

Achievements/Tasks

- Taught Multimedia Communication, Database Systems, and conducted labs for Computer Networks and Machine Learning. Assisted AI Coordinator with QOBE-based learning, exam management, academic records, course files, and SDG committee activities.

Teaching Assistant

Isra University Hyderabad

01/2024 - 10/2024

Hyderabad

Achievements/Tasks

- Facilitated student learning and comprehension as a Teaching Assistant, fostering a collaborative and inclusive classroom environment.

Internship

Indus Technetronic Private Limited

10/2022 - 06/2023

Hyderabad

Achievements/Tasks

- Website Design using WordPress

SKILLS

Programming Languages (C, C++, Java)

HTML5

CSS+3+5

JavaScript

JQuery

Php

MySQLi

Python Programming

AI

ML

Database Management

Deep Learning

Object Detection

Research Skills

PERSONAL PROJECTS

Stress Detection Of Working Women And
Housewives Using Wearable Devices
(09/2023 - Present)

- Conducted real-time stress analysis on working women and housewives using wearable devices, employing sample space techniques for the Mann-Whitney test and statistical analysis.

Social Distance & Mask Monitoring Drone
(01/2021 - 09/2021)

- Implemented a CNN model on a diverse dataset of 4,000 images to detect and differentiate individuals wearing masks ('1') from those without masks ('0'), achieving high accuracy and real-time visual feedback. The CNN model live-detected people's faces, highlighting them in green when a mask was detected and in red when no mask was detected, along with the accuracy percentage.

Color Sorting Machine (04/2019 - 08/2019)

- It's an Arduino based project which detects and sort color using sensor TCS2300

CERTIFICATES

NAVTTTC: Full Stack Development
(02/2024 - 05/2024)

Coursera: Foundations of User Experience (UX)
Design (09/2023 - 11/2023)

OpenWeaver: Basics of Python Programming
(10/2022 - 11/2022)

MTA: Networking Fundamentals
(10/2020 - 10/2020)

LANGUAGES

Urdu

Native or Bilingual Proficiency

English

Full Professional Proficiency

Sindhi

Limited Working Proficiency

Punjabi

Limited Working Proficiency