



Hifsa Shahzadi

Date of birth: 28/06/2003 | **Nationality:** Pakistani | **Phone number:** (+92) 3164924901 (Mobile) |
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EDUCATION AND TRAINING

11/08/2024 – CURRENT Islamabad, Pakistan
MS STATISTICS AND DATA ANALYTICAL SCIENCE Air University, Islamabad

Website https://www.au.edu.pk/pages/Faculties/Basic_Applied_Sciences/Departments/Mathematics/ms_sdas.aspx | **Field of study** Data Science |
Final grade 4.0 | **Thesis** Real-Time AI Traffic Signals Optimization for Emergency Vehicle Detection
Link https://drive.google.com/file/d/1j9VoqTZ6KGts0gj-l9d17aD_tH6sHmfF/view?usp=drive_link

15/09/2020 – 09/06/2024 Islamabad, Pakistan
BS MATHEMATICS Air University, Islamabad

Address E-9, Islamabad, Islamabad Capital Territory, 44000, Islamabad, Pakistan | **Website** <https://www.au.edu.pk/> |
Field of study Natural sciences, mathematics and statistics | **Final grade** 3.61 |
Thesis AI Traffic Control System and Brain Tumor Segmentation using Deep Learning Mechanism
Link https://drive.google.com/file/d/1iIQF_8xIQrla_Y2ZTDluZbaGYHMdBHrr/view?usp=drive_link

PROJECTS

15/11/2024 – 20/12/2024
Customer Churn Prediction
Prepared a report on Customer Churn Prediction model along with implementation strategy and business impact analysis using Machine Learning Technique.
14/03/2025 – 03/06/2025
Thermal Image Analysis for Detecting Internal Defects in Heated Materials
Prepared a report on thermal image analysis for detecting internal defects in materials before and after heating.

PUBLICATIONS

2024
AI Traffic Control Signal using Deep Learning Mechanism
H. Shahzadi, S. Nadeem, A.N. Cheema 1st Conference on Statistics and Data Analytics 2024.

WORKSHOPS

SPSS Workshop
Attended a workshop on SPSS and gained hands-on experience.
Power BI
Attended a workshop on Power BI and gained hands-on experience.
Artificial Intelligence
Attended a workshop on AI and gained hands-on experience.
NLP
Attended a workshop on NLP and gained hands-on experience.

DIGITAL SKILLS

Programming

- Python
- Matlab
- R
- SPSS
- Power BI
- E-Views

WORK EXPERIENCE

 **THE EDUCATORS SOAN GARDEN** – ISLAMABAD, PAKISTAN

Business or Sector Education | **Department** Matriculation |

Website <https://www.facebook.com/people/The-Educators-Soan-Garden-Campus/61552190792172/>

Link https://drive.google.com/file/d/17FjHMg5Uohimm_Bwfw8u0PrmGwIR-hAb/view?usp=drive_link

TEACHER – 07/08/2024 – 28/02/2025

- Taught Mathematics & Computer and to Matriculation and Middle School.

 **SELF-EMPLOYED** – ISLAMABAD, PAKISTAN

Business or Sector Education

TEACHER – 03/06/2019 – CURRENT

- Teaching Mathematics, Physics, Computer and English to Matric & Intermediate.
- Providing online learning service to Matric & Intermediate via Zoom & Google Meet.

 **BRITISH COUNCIL** – ISLAMABAD, PAKISTAN

Business or Sector Education | **Department** Venue Staff Freelance |

Address British Council Islamabad Office, British High Commission, Diplomatic Enclave, Islamabad, 44050, Islamabad, Pakistan |

Website <https://www.britishcouncil.pk/>

Link <https://drive.google.com/file/d/1C98HDCT3KopOzK1qaRMePiY13VKFnpY1/view>

INVIGILATOR – 01/04/2024 – 31/03/2025

- Worked as Proctor for conducting exams of O & A level.

HONOURS AND AWARDS

17/05/2025

Gold Medalist – Air University

Awarded gold medal for maintaining the highest CGPA (3.61) in my undergraduate batch.

Link https://drive.google.com/file/d/1Zw-RQionSt-jO8ivBZwXfT1AJfmeIq4k/view?usp=drive_link

