



Omamah Shahzad

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SKILLS

- ❖ **Programming Languages:** C/C++, Python, R, HTML, CSS
- ❖ **Framework:** Flask
- ❖ **Database:** Microsoft SQL Server
- ❖ **Data Science & Miscellaneous Technologies:** Data science pipeline (cleansing, wrangling, visualization, modeling, interpretation), Web Scraping, Statistics, OOP, DB, OS, Parallel and Distributed Computing, Machine Learning, Deep Learning, Image Processing, Natural Language Processing, Computer Vision, Data Mining
- ❖ **Machine Learning Frameworks:** TensorFlow, Keras, Scikit-learn, Weka

EDUCATION

- ❖ Data Science | FAST NUCES Lahore (2021-2025)

ACADEMIC PROJECTS

- ❖ **Airline Passenger Satisfaction Classification**
Developed a classification model using supervised learning algorithms to predict airline passenger satisfaction based on comprehensive flight experience data
- ❖ **Exam Schedule Generation Using Hill Climbing Search**
Developed an algorithm to optimize Mid-term exam schedules for NUCES-FAST, ensuring different room capacity utilization and minimal student exam overlaps.
- ❖ **Mitosis and Normal Cell Detection Using Deep Learning**
Developed a Deep Learning model utilizing transfer learning for detection of cells from microscopic images. Implemented neural networks to leverage pre-trained models.
- ❖ **EasyDairyHub - DBMS based Dairy Farm Management System**
An end to end Database focused management software- SQL, Flask, Python, HTML, CSS.
- ❖ **Sentiment Analysis of Smartphone Reviews on Daraz**
Utilized NLP for sentiment analysis, leveraging Python, Selenium, NLTK, scikit-learn, TensorFlow, and Keras to address product legitimacy concerns.
- ❖ **Thermal Comfort Predictor**
Implemented ML models on diverse data to predict thermal sensations and user feedback on cold, enhancing personalized comfort.

POSITION OF RESPONSIBILITY

- ❖ **Head Graphic Designer | MLSA, FAST NUCES** (Apr'24- Present)
Leading a team to deliver high quality design projects for the MLSA society, collaborating across departments, and managing the design process from concept to completion.
- ❖ **Liaison Officer | Career Counseling Society, FAST NUCES** (Apr'22- May'22)
Dealt with many companies and help them with their Onboarding process in Job Fair '22.

ACHIEVEMENTS

- AIC'24 Top 20 AI Competition