Talal Muzaffar

Aspiring Data Scientist

📍 Islamabad, Pakistan   ✉ talalmuzaffar3@gmail.com   📞 +923047919692   in talalmuzaffar

EDUCATION

BS Data Science   2020 – present
FAST National University of Computer and Emerging Sciences   Islamabad, Pakistan

The Crossroads Emerging Leaders Program   2021
Harvard University

The Junior Academy   2018 – 2020
New York Academy of Sciences

PROFESSIONAL EXPERIENCE

UI/UX Designer   2022 – present
NEquest   United States
Conducted Research, Designed Wireframes, Mockups and Throwaway prototype. Also presented research to the American Epilepsy Society Annual Conference 2020 in Chicago, USA.

Product Education and Awareness Lead   2020 – 2022
NEquest   United States
Lead awareness campaigns to remove stigmas related to neurological disorders in emerging economies across Asia and Africa. We collaborated with doctors from Cameroon to design actionable plan.

AWARDS AND HONORS

Young Membership of New York Academy of Sciences 🔗
New York Academy of Sciences
This badge is awarded to Young Members who have demonstrated their commitment to personal and educational growth and recognize their unique roles in creating change in the world through Science, Technology, Engineering, and Math (STEM).

SKILLS

Programming
- C++
- Python

Machine Learning
- Scikit-learn
- PyTorch
- Keras

Data Cleaning and Preprocessing
- Numpy
- Pandas

Data Analysis and Visualization
- Matplotlib
- Plotly

Natural Language Processing
- NLTK
- SpaCy

PROJECTS

NEquest
Personal Project
NEquest is a simple yet effective virtual neurological examination that will allow neurologists to remotely collect data of greater accuracy from a patient at home. This collection of results ahead of live tele-visits provides the much-needed opportunity for patient-doctor interaction time to discuss potential problems, follow-up testing for areas of concern and nurture a relationship that continues to support a patient's mental health.

SehatBase

Personnel Project

SehatBase is an artificially intelligent one-stop disease diagnosis and treatment platform which enables users to diagnose diseases and have an appointment with doctors instantly. Our mission at SehatBase is to make healthcare accessible and reduce the chances of patients' wrong diagnoses leading to other mental problems such as depression or anxiety.

Data Compression using Huffman Coding

Data Structures

Implemented Data Compression Algorithm using Huffman Coding Data Compression Technique. We used Tree to store the Encoded Data and then improved the efficiency of Data Compression by reducing height of those trees (AVL Trees)

Student Assistant Application

Fundamental of Software Engineering

We created a student assistant app to show students personalised timetables and assignment information. We added other features such as Pomodoro Timer and Faculty information as well. This app was developed using Flutter.

Hotel Management System

Object Oriented Programming

We implemented Hotel Management System using concepts of Object Oriented Programming and File Handling. Using File Handling, we implemented different functionalities, such as Room Reservations for Different Types on different floors and Customer Data Storage.

PUBLICATIONS AND PRESENTATIONS

Choices for Measuring Cognitive Function Digitally in Low- and Middle-Income Countries 🔗

American Epilepsy Society

CERTIFICATES

- Start the UX Design Process: Empathize, Define, and Ideate 🔗
- Foundations of User Experience (UX) Design 🔗
- SW47x: Entrepreneurship in Emerging Economies 🔗

EXTRACURRICULAR ACTIVITIES

FAST Data Science Society   Pakistan

General Secretary

FAST's Literary Society   Pakistan

Secretary Urdu

HULT Prize FAST Islamabad   Islamabad

Secretary Creative

Google Developers Student Club

Vice Head Info and Content

World Scholars Cup   Pakistan

Debating Adjudicator

LANGUAGES

- English   • Urdu   • Punjabi