

USMAN SHAFIQUE

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EDUCATION

FAST - National University of Computing and Emerging Sciences
BS Computer Science

Islamabad ,Pakistan
Aug 2019 -

Superior Group Of colleges
FSC Pre-Engineering

Pasrur Sialkot ,Pakistan
Sept 2016 - May 2018

WORK EXPERIENCE

Centangle Interactive
Intern

Islamabad
June 2022 - Sept 2022

- As an Data Analyst intern at centangle interactive I gained experience in various aspects of data science and charts and get to know about state of the art technology stack and also learnt about collaborative working and office environment. it boosted my problem solving skills and develop innovative solutions to real world problems.

FAST - National University of Computing and Emerging Sciences
Lab Demonstrator

Islamabad ,Pakistan
Jan 2023 - May 2023

- As a Lab Demonstrator for a Programming Fundamentals course, I was responsible for creating and grading Lab Problems and assignments, which involved gaining a understanding of basic programming concepts and principles. Through this experience, I developed strong organizational skills, under the supervision of senior lecturer and managed whole course

SKILLS

Programming Languages:	C, C++, Python, Javascript, Sql, Html, Css
Theoretical Skills:	Python, Data Analytics, Data Science, Data mining, Data PreProcessing
Programming Concepts:	Object Oriented Programming, Data Structures, Front-End Programming, Operating System
Tools:	Git, Github, Trello, Colab, Unity, Microsoft office
Computing concepts::	Cloud Computing

PROJECTS

Candy Crush C++

In this project, I demonstrated a strong grasp of object-oriented programming principles, including abstraction, encapsulation, inheritance, and polymorphism. Through the development of a Candy Crush game using OOP concepts, I identified the classes and their relationships, and utilized concepts such as composition, aggregation, function overloading, function overriding, and friend functions. Overall, this project allowed me to gain a deep understanding of OOP concepts and their practical applications in software development.

Ring DHT (Ring Distributed Hash Table) C++

In this project, I used my knowledge of data structures to implement a ring distributed hash table. I used a variety of structures, including doubly linked lists, circular linked lists, AVL trees, and hash tables, to facilitate peer-to-peer connections and efficient data distribution. Through this project, I gained a deep understanding of data structures and their applications.

Torcs Python

In this project, I developed an AI controller for a car that participated in a race with other cars. This involved gathering and analyzing data on various features such as fuel, speed, gear, steer, position, curve angle, and brake. I then used this data to train an AI model on independent features and obtain target values, demonstrating my proficiency in machine learning and programming.

Recognize Handwritten Digits Using Nueral Networks Python

In this project, I developed a neural network model to recognize handwritten digits. Using TensorFlow, I trained the model on a dataset of images and achieved accurate predictions at test time. Through this project, I gained practical experience in machine learning and neural networks, and developed strong skills in data preprocessing, model building, and evaluation.

CampusAr

As part of my final year project, I developed Campus navigation system using AR which allows user to navigate through campus using AR and use real time camera. The application allowed users to make personal profile and sticky notes virtually on walls which can be private or public. It's a flutter based android application with interactive UI

- **Data Cleaning - Kaggle**
- **Data Visualization - Kaggle**
- **Intro to Machine Learning - Coursera**
- **Programming for Everybody (Getting Started with Python)**

Secretary Dramatics

As the Secretary Dramatics of the Takhleeq Society at FAST University, I successfully managed a team and led many successful social events. this helped me in effective communication skills and attention to detail, I ensured that events are organized in best way possible .

Head Marketing IEEE

I am a member of the largest student organization at my university. Our society has successfully organized various events, including the 24th International Multi Topic Conference 2022, the Islamabad Section Students/YP/WIE/SIGHT Congress 2022, and several technical seminars. As a head marketing of of this society, I had the privilege to contribute to these events