Adil Asad

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EDUCATION:

Penn State University 2022 – Present
MS Computer Science
Forman Christian College 2018 – 2022
BSc (Honors) Computer Science – CGPA: 3.58/4.0
Lahore Grammar School Johar Town 2015 – 2017
GCE Advanced Level (Sciences and Math)

EXPERIENCE:

Trimulabs, Lahore 03/2022 – 07/2022
Software Engineer

- MERN Stack Developer
- Worked on multiple web application projects

Pak Gulf, Lahore 06/2021 – 07/2021
Intern

● Part of the website development team.
● Data analysis of client and product data.

PROJECTS:

Senior Year Project: Facial Attribute Editing In A Video Using GAN
Project Description:
An application using a generative adversarial model which edits the facial attributes of a person in a video.
Language: Python
Achievements:

- learning to code and operate GANs
- dataset collection and sorting
- training machine learning models on custom datasets

Malaria Cells Detection
Project Description:
Using CNN models, we detected if a given blood cell is infected by malaria or not
Language: Python

Predicting Heart Failure
Project Description:
Linear regression model to predict risk of heart disease using 12 behavioral factors.
Language: Python
Achievements:

- Understanding basics of Linear Regression models and their different properties
- Implementation of Linear Regression model on a dataset referencing real life scenario.

2D Platformer Game
Project Description:
A recreation of a classic platformer game with 3 different game modes and 10 levels in the story mode with variable difficulty settings.
Language: C# (Unity game engine)
Achievements:

- Learning and using a game engine (Unity)
- Designing and creating game assets.

Implementation of Linux File System
Project Description:

An implementation of linux file system which includes functions like make directory, touch, remove, path from root and find.

Language: Python

Achievements:

- Using Tree data structure to implement linux file system in python.

Implementation of a Text Editor Program

Project Description:

An implementation of a simple text editing program using python linked lists. Includes a cursor tool to navigate.

Language: Python

Achievements:

- Using linked lists data structure to implement a simple text editing program in python.

Implementation of a Spread Sheet Program

Project Description:

Implementation of a simple spreadsheet program using python 2D arrays. Includes a cursor tool to navigate to different cells and simple functions like Sum, Multiply, Average, Max, Min, Save and Load

Language: Python

Achievements:

- Using 2D arrays data structure to implement a simple spreadsheet program in python.

LEADERSHIP & EXTRACURRICULARS:

Director Logistics – IEEE (FCCU Chapter)

HONORS & AWARDS:

- Vice Rector's List for scoring 3.75+ GPA (Spring 2019, Spring 2020)

ADDITIONAL SKILLS & INTERESTS

- Proficient in coding in Python.
- Experienced in coding in JavaScript, C++, html, CSS.
- Experienced in working in teams and on their own.
- Strong Communication and Time Management Skills.
- Interested in Artificial Intelligence and Machine Learning.
- Keen on learning and exploring new skills and creative fields.