

# Adil Asad

 Middletown, PA, 17057, United States

 September 28, 1997

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 15406904710

 <https://adilasad1.github.io/>

 AdilAsad1

## SKILLS

Programming      Python

JavaScript          React

## INTERESTS

Software Development      Artificial Intelligence

Machine Learning

## LANGUAGES

English                  Urdu

Fluent                  Fluent

## AWARDS

Vice Rectors List

Forman Christian College

Spring 2019

Spring 2020

## CERTIFICATIONS

Implement High Fidelity Designs with Material-UI and ReactJS

Udemy

The Complete React Developer Course (w/ Hooks and Redux)

Udemy

## WORK EXPERIENCE

<b>Trimulabs</b>	(March 01, 2022 - July 31, 2022)	<b>Pak Gulf</b>	(June 01, 2021 - July 31, 2021)
Software Engineer		Intern Web Developer	

## EDUCATION

<b>Penn State University</b>	(August 22, 2022 - May 10, 2024)	<b>Forman Christian College</b>	(February 05, 2018 - February 25, 2022)
Masters of Science , Computer Science		Bachelors of Science, Computer Science	3.58

## PROJECTS

**Senior Year Project: Facial Attribute Editing In A Video Using GANs**

An app to edit facial attributes using python GANs

Achievements: learning to code and operate GANs, dataset collection and sorting, training machine learning models on custom datasets

**Predicting Heart Failure**

Linear regression model to predict risk of heart disease using 12 behavioral factors.

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

**Implementation of Linux File System**

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

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

**Implementation of a Spread Sheet Program**

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

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

**Malaria Cells Detection**

Using CNN models, we detected if a given blood cell is infected by malaria or not

Achievements: Understanding and Learning to develop CNN model by applying it to a dataset

**2D Platformer Game**

A recreation of a classic platformer game with 3 different game modes and 10 levels in the story mode with variable difficulty settings.

Achievements: Learning and using a game engine (Unity), Designing and creating game assets.

**Implementation of a Text Editor Program**

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

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