AFTAAB SIDDIQUI

635 · 528 · 3363 ⋄ aftaab2507@gmail.com ⋄ github.com/aftaab25

EDUCATION

Nirma University   July 2018 - Present
B.Tech in Electronics and Communication Engineering   *Ahmedabad, GJ*
Overall GPA: 7.7

PROJECTS

A* Pathfinder   July 2020
Pygame

· A Python3 based app to visualize the A* path finding Algorithm.
· Allows users to pick a start and an end point and view the process of finding the shortest path.

ARM7 Assembler   April 2021
TKinter, RegEx

· Developed a text editor to write ARM7 instructions and compile/assemble them to check the results on register values.
· Applied String parsing through regex (Regular Expressions) and used Tkinter for the UI.

ColorZilla Clone   March 2021
Opencv, Numpy, Pandas

· Developed a clone for the browser extension colorzilla that returns the colour name, the RGB values and the hex values of the pixel clicked.
· Implemented Machine Learning algorithhms such as K-means Clustering and KNN in opencv.

Covid Tracker   May 2020
PyQt5, BeautifulSoup, Requests

· Developed a Qt app to track the number of Covid Cases of different countries.
· Scraped the data through the internet using Python3 libraries such as BeautifulSoup and Requests.

WORK EXPERIENCE

Inficube Technolabs   May 2021 - July 2021
SDE Intern — Blockchain Developer   *Ahmedabad, GJ*

· Created a Crypto Currency to work upon. This include:
-Creating different blocks such as genesis blocks.
-Checking validity
-Adding data of transactions
-Adding Proof of Work
· Researched about smart contracts so that they can be added to permit trusted transactions.

TECHNICAL SKILLS

Languages	Python3, MATLAB, C/C++, Java, Javascript, Golang, Dart, Bash, PHP
Software	Android Studio, Postman, Vim, Git
Tools	Micro-controllers, Raspberry pi
Development Skills	Vuejs, Laravel, PyQt5, Opencv, Pygame, Tkinter, Machine Learning