Arooj Latif

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Interests

C# .Net Development, Machine Learning/Deep Learning

Education

BSC. (HONS) | OCTOBER 2018-2022 (EXPECTED) | NAMAL UNIVERSITY MIANWALI

. Bachelor of Electrical Engineering

Projects

COMPUTING PROJECTS

INFORMATION EXTRACTION FROM NATIONAL IDENTITY CARDS USING AUTOMATION (PYTHON)

This is my final year project; it is all about designing a system for automatic information management. I am implementing this idea on Computerized National Identity Cards (CNIC).
. Data collection by using phone camera, Data pre-processing, data annotation by using VoTT software, Training is done using YOLO algorithm, Data is stored in a specified file format like excel/text file.

CALCULATOR IN .NET

I designed a calculator in .net and used C# math( ) class also. This calculator was designed in window form so that each button has its own event like when any button pressed, it does the function define to it. For example, for plus button function of addition is defined etc.

TIC TAC TOE PROJECT

I designed Tic Tac Toe game in python, C# .Net. and C++. I just used different if/else statements and conditions for making game true sense for each turn.

HOUSE PRICE PREDICTION USING MACHINE LEARNING

In this project, by using csv file data I simply trained a model by train/text/valid dataset slitting. In the end I obtained accuracy at which prediction tends to true somehow.

ELECTRICAL ENGINEERING PROJECTS

. Mosquito Repellent Design
. PID Controller Bump less Transfer Implementation using MATLAB
. Three-way Traffic Light Controller using TIVA
. Basic Signal Generator Design

Experience

CURRENTLY | PART OF HCC TECHNOLOGY FOUNDATION| LAHORE | FEBRUARY 2022- APRIL 2022 (EXPECTED)

· Selected for the Training to Employment Bootcamp Program by HCC technology foundation. I have a strong interest in computing and as Software Development is the fastest growing field in Pakistan, I am getting expertise in software development.

CURRENTLY | CHAIRPERSON OF NAMAL CHARACTER BUILDING SOCIETY | MIANWALI | NOVEMBER 2022- MAY 2022 (EXPECTED)

· Our motive is to educate people about the importance of characters, how to get rid of corruption, and why people of the same names are considered different (this is just because of their characters).

CHAIRPERSON OF WOMEN IN ENGINEERING BRANCH | IEEE NAMAL STUDENT BRANCH MIANWALI | AUGUST 2020- FEBRUARY 2021

· Key responsibilities here were to lead a team with full devotion, cooperate with the team to create a strong environment between team members and simple, intuitive interactions and experiences.

TEACHING ASSISTANT OF DIGITAL LOGIC AND DESIGN (DLD) | NAMAL UNIVERSITY MIANWALI | OCTOBER 2020-FEBRUARY 2021

· Pulling students out of the dungeons of confusion. Help Instructor in managing and marking quizzes and assignments and make a final marks list, Managing the attendance of the students.