Nada Youssef Abd El_Moaz raslan

Software Engineer

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LinkedIn

Education

(Sep 2019 – Jun 2023)
Bachelor Of computer and information science,
Ain Shams UNIVERSITY
Graduated with **GPA 2.845**

(Sep 2016 – Jun 2019)
High school,
Dr.Youssef secondary School

Key skills

C++

Java

Python

C#

R

Problem solving

Data Structure

Front End

Experience

Projects

- **Rafeq _ Baby monitor system (Graduation project 2023)**

We focused on helping parents by a hardware kit consisting of a camera, microphone, and temperature and humidity sensor that is placed on the baby's bed and connected to a mobile application. Through the application, parents can determine if the baby is crying and the reason behind their cry, whether they are awake or asleep, sleeping on their stomach or back, as well as the temperature and humidity in the room. A notification is sent to the mother if the baby is dangerous status. To determine if baby is crying or not and the reason for crying, the Baby Chillanto dataset was used to fine-tune the Wav2vec2 model. To determine if the baby is awake or asleep, four approaches were used: image processing, cascade, transfer learning (fine-tune RasNet18), and prototypical networks for few-shot learning. To determine if the baby is sleeping on their back or stomach, three approaches were used: image processing, transfer learning (fine-tune RasNet18), and prototypical networks for few-shot learning.

- **Computational Biology Project (2023)**

Using galaxy site, we have two datasets work on ,after comparing with datasets we will discovery that It's not for human and that done with tools In galaxy.

- **Docker (2023)**

Using docker, we do some applications like building image with dockerfile and using compose file….

- **Medical Images Analysis Application (2023)**

Using python, we use dicom Images to get patient and image Information, and we make Image analysis operations like enhancement..., finally we use a classification model.

- **Cookie Cats Project (2022)**

Using " Statistics + R", Cookie Cats It's a classic "connect three"-style puzzle game where the player must connect tiles of the same colour to clear the board and win the level. In this project, we're going to analyse an AB-test where we moved the first gate in Cookie Cats from level 30 to level 40. We will look at the impact on player retention.

Certificates

(Sep 2020 –Present)
Certificates

- **Operating Systems FOS Kernel Project (2022)**

Small Operating system with focus on some features like, Kernel Heap, User Heap, CPU Scheduling, Page fault handler.

- **Loan Prediction Project (2022)**

Using Data mining, the idea of this ML project is to build a model that will classify Loan status for each customer who can take loan or not.

- **Duolingo Project (2022)**

Using system analysis, we make some diagrams that present the application of Duolingo like, Use case diagram, Activity diagram and Sequence diagram.

- **BLAST PROJECT (2022)**

Using Bioinformatics with python, we Implement the Blast technique to search for a protein query in a protein database.

- **HTTP Server PROJECT (2022)**

Using knowledge from "Computer Network" with C#, we Implement the HTTP Server.

- **Classifying shoulder implants in X-ray images PROJECT (2022)**

Using AI with python, we Implement the model that identify the implant prior to surgery is required for selecting the correct equipment and procedure.

- **Image filter PROJECT (2022)**

Using Algorithms with C#, we apply filter images from salt and paper noises.

- **XML Helper PROJECT (2021)**

Using Data structure with C++, it is considered a C++ library helps programmer to load data from XML files to the project as an XML class after checking it's the correctness, also help him to save some data into XML file in a certain location.

- **Car Sales System PROJECT (2021)**

Using OOP concept with Java, it's a GUI java desktop application that computerizes the conventional car sale procedure which we are aware of. This helps in managing data related to buyers and sellers of the cars. Business reports can also be generated and viewed.

- **Smart Home PROJECT (2020)**

Using simulator "Tinkercad", we make a smart home with Arduino and some sensors.

- **Online Auction System PROJECT (2020)**

Using C++, it's an online auction management system in which members (buyers and sellers) participate in the selling of items.

- **Website of iPhone PROJECT (2020)**

Using (HTML, CSS, JS), it's a design of website.

- **Website of pizza restaurant PROJECT (2019)**

Using (HTML, CSS, JS), it's a design of website.