Mostafa Ahmed Elsharnoby

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Education: -

- Third year computer and system faculty of Engineering Ain-Shams university, grade: very good. **2017-2022**
- High School: Sedky Soliman school in Cairo, Egypt. **2014-2017**

Competitions and Trainings: -

- **Trainee in pilot program at Udacity.** **Oct 2020 - Present**
  - Pilot program, powered by ministry of communications, is a 3-month program for Udacity graduates.
  - Chosen to be one of 250 trainees out of 2500 applicants.
- **5th place at ACM problem solving competition.** **Oct 2020**
  - Part of team must solve more problems in less time and we got the 5th place.
- **AI Analyst track at IBM.** **June - Aug 2020**
  - 2 months of virtual training about AI basics and how AI could be used to develop systems and how to improve the services we provide using AI.
- **4th place at Robotics for hard missions' competition at Aviation club at ASU.** **Mar - June 2019**
  - Robotics competition which requires two robots.
  - First one for making hard missions like taking objects and move them to another basket and push objects to the right place.
  - Second robot is self-driving RC car that should get out of the maze with the algorithm on the Arduino.
- **Two Months of Summer Training at IHUB (RC Car with Arduino), at ASU.** **July - Aug 2018**
  - Robotics competition requires RC car to go over ramps and push objects to the required place and go over some stairs.

Experience: -

- **IT Member at Aviation Club, ASU.** **2020-2021**
  - Responsible for upgrading the website and making the registration forms for the events.
  - Responsible for solving bugs on the website through the events.
- **Logistics & Reception Member at IDT, ASU.** **2019-2020**
  - Responsible for taking applicants' applications and building the booth for the events.
- **HR-OD Member at IDT, ASU.** **2018-2019**
  - Responsible for selecting participants through interviews and managing the events.

Courses & Skills: -

- **Computer Courses.**
  - Algorithms on graphs San Diego Course, Coursera **Nov - Present**
  - Web development Beginner and Professional track on Udacity by FWD **July - Oct 2020**
  - Data Structure San Diego Course, Coursera **July - Sept 2020**
  - Algorithms San Diego Course, Coursera **May - June 2020**
  - The web development bootcamp, Udemy, 46.5 hours **Feb - May 2020**
  - C++ for beginners and beyond, Udemy, 40 hours **June - Aug 2019**

- **Computer Skills.**
  - MS Office.
  - C/C++
  - OOP
  - Data structure
  - MERN Stack
  - PHP
  - Algorithms
  - JavaScript/jQuery
  - MATLAB
  - Problem solving
  - Python
  - Flutter/Dart
  - HTML/CSS
  - Git and GitHub
  - Linux

Projects: -

- **Flutter Projects: -**
  - **Learning Management System Application (team leader):**   **Jan 2021**
    - Enabling the academic staff to keep track of the students' progress.
    - Enabling the academic staff to post materials, announcements, assignments, quizzes, and trainings.
    - Enabling the students to keep track of their records.
    - Enabling the students to select and register their year courses.
    - Enabling the students to submit assignments, quizzes, and CVs

- **Web Projects: -**
  - **Electronics store (E-Commerce Website).**   **Sep 2020**

    E-Commerce website that allows users to show the products and make orders and pay for their products and allow the owner to upload products and add sales for specific products and add the shipping prices for every city and add scientific blog posts and users could react and comment on them.

  - **Car Agency website.**   **Aug 2020**

    One page project that shows the data of car agency and the products they provide and a form to contact them or leaving a feedback I made this website using HTML, CSS, JavaScript, and jQuery.

  - **Camping website.**   **Jun 2020**

    Website that allows the users to add camping places with the prices included or if you want to select a camping site you could choose one of them and add comments and leave a rate after your experience, I used HTML, CSS, and JavaScript for the front end and Node-Js and MongoDB for backend.

  - **Tic Tak Toe Game.**   **May 2020**

    Website that allows the users to play tic tac toe game and I made it to train my skills in JavaScript.

- **C++ Projects: -**
  - **ATM program.**   **Sep 2019**

    Project using OOP concepts, User could create bank account, deposit, and withdraw money from the account.
  - **Matrix Multiplication Program.**   **Mar 2019**

    Program can do a matrix operation like addition, subtraction, etc. the program takes the matrix from the user in a string format, and it is required to provide the user an output with the same string format.

- **Electronics, Logic and Verilog Projects: -**
- **- PCI Bus design with Verilog.**   **Dec 2020**
  - Implementing a PCI target device (slave) in Verilog.
- **- Stairs Light PCB.**   **Feb 2020**
- **- Traffic signal lights.**   **Jan 2020**
  - Prototyping traffic signal lights illumination logic.
- **- Full-adder.**   **Jan 2020**
  - Designing and implementing a full-adder at Gate-level.
- **- Audio amplifier with volume control.**   **Jun 2019**
- **- Street lighting system.**   **Dec 2018**
  - Designing and implementing a streetlights system using RTD (Resistor Temperature Detector) sensor.

Languages: -

-Arabic: Native.   **-English**: Very good.   **-French**: Intermediate.