Fatima Abdelmagid Yahia Mohamed

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EDUCATION

Abu Dhabi University **Abu Dhabi, UAE**
BS in Computer Engineering (GPA: 3.97/4.0) *Graduation Date: June 2021*
- Granted & maintained a full study scholarship; awarded Dean's Honor List and Summa Cum Laude graduation honors.
- Published Capstone paper in ACM's ArabWIC: the 7th Annual International Conference on Arab Women in Computing.

WORK EXPERIENCE

EXPO2020, Barker Langham **Dubai, UAE**
Tour Guide and Customer Service *November 2021 - March 2022*
- Created an exceptional, engaging, and memorable visitors' experience in EXPO for school students aged 4 to 14 years old.
- Managed groups of 40+ students, teachers and chaperons of different backgrounds and ethnicities.
- Cooperated with staff in 10+ country pavilions and attractions to provide customer service and improve visitor experience.

Swiss Scientific School, After School Activities **Dubai, UAE**
Coding Instructor *October 2021 – November 2021*
- Created a friendly and innovative environment for kids aged between 6 to 12 years old to learn basics of coding and mobile application development using block-coding.
- Collaborated with another instructor to create constructive feedback reports for 20+ students.

Abu Dhabi University, IT department **Abu Dhabi, UAE**
Technical Support & Helpdesk Intern *January 2021 - February 2021*
- Assigned 60+ email requests in the IT helpdesk portal, Oracle Peoplesoft, and solved 20+ email inquiries weekly for students and faculty with an average customer service satisfaction level of above 75%.
- Managed and registered 30+ calls and was committed to 48 weekly working hours while maintaining a good GPA in the associate course. Also, had a weekly orientation on the practical usage of the IT management services.

PROJECT EXPERIENCE

Abu Dhabi University **Abu Dhabi, UAE**
Capstone Graduation Project *June 2021*
- Designed and implemented a prototype of a touch-reliant wearable communication device for the deaf-blind. The device is supported by a Linux based system, Node-RED server, online database, and a mobile application built using Android Studio. It also provides spontaneous communication for the deaf-blind using customized Speech-to-text and text-to-speech services.

Embedded Linux Systems Design Project *June 2021*
- Designed and implemented a prototype of an automated parking inspector robot using Linux-based Raspberry Pi and Arduino Microcontroller with a 100$ budget limit. The robot reads the plate number of parked cars using Compute Vision and cross-checks for ticket details; in case of missing ticket payment, it informs the registered owner with the help of firebase database.

Embedded Networks Project *February 2021*
- Designed and implemented a smart fridge embedded system that includes a capacitive touch board attached to items in the fridge, a WiFi microcontroller, and a mobile/web application. The application reveals nutritional information about touched items, creates a shopping list, add to it when an item is removed, and provide suggestions on locations to get the items.

COURSE EXPERIENCE

Abu Dhabi University **Abu Dhabi, UAE**
Network Administration *January 2020*
- Designed a functional network simulation of 8 subnets, as well as calculated and configured each subnet's router accordingly.

Advanced Mobile Application Development *August 2020*
- Created 8 functional mobile/web applications using Visual Studio Code software, with TypeScript and HTML+CSS languages, and connected it to different 20+ APIs, such as Firebase and OCR, with the help of Angular JS.

SKILLS

- *Computer Skills:* Java, Python, JavaScript, MATLAB, SQL, TypeScript, HTML and CSS, C/C++, Bash Script, Microsoft Office (Word, PowerPoint, Excel), Cisco Packet Tracer.
- *Soft Skills:* Problem Solving, Customer Service, Teamwork, and Adaptability.
- *Languages:* Native Arabic, Advanced English, Basic Urdu, Basic Japanese and Italian.