AbdelrahmanYasserSamir CV

CONTACT INFO:

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EDUCATION:

Faculty of Electronics and Telecommunications Engineering

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Al-Safwa HIET
2020-2025

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EXPERIENCE:

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EESENCO
Palestine Embassy
IT Specialist Intern
Aug 2024 - Sept 2024

        Learned how IT systems work and how to fix Potential arising problems from
Pelco camera systems, Intruder systems, Q.serve systems, Door access systems, ZTK
attendance management system, Fire alarm systems and Fire suppression systems with
electronic fixes and programming and setting up systems.



IEEE Al-Safwa Egypt
IT Dept. Manager
2022 - 2023

        Taught fresh students basics of networking and programming with c++ and java
and electronic programmed automation with arduino boards and rasperry pi and node mcu
Assessed 20+ students with answering questions and solving problems and helping with
ideas and principles of thinking and training students to have creative ideas for
minimal cost and best results and best quality.
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PROJECTS:

- Smart home wireless control with esp32 with power sockets and Temperature, Humidity, light and motion sensors with smart assistant control.
- Smart home monitoring and control system using esp32 and lcd with http protocol.
- Smart garage system with phone control using http protocol using esp32 and IR sensors.
- Smart fan with esp-01 controlled with online Blynk server.
- Obstacle avoidance robot using arduino, IR sensors and ultrasonic proximity sensors.
- Quad robot remote controlled from phone using bluetooth protocols with esp32 and 16 servo motor using I^2C protocol.
- Fire alarm with only lm35 and 555 timer and buzzer.
- Smart woofer speakers using Bluetooth protocols with bluetooth control board and amplifier board.
- Wireless controlled Gamepad using esp32 with bluetooth protocol as hid interface with gyroscope mpu8060.
- Android application to convert currency EGP/EUR/USD with api to update exchange rates from google finance.

COURSES:

- [C Programming From Basics to Mastery - ITI -Oct 2024](#)
- [Embedded C: Hardware Essentials and Device Driver Development - ITI - OCT 2024](#)
- [Other certificates can be found on GDrive here](#)

SKILLS

- C++
- Python
- Java
- HTML, CSS, JavaScript
- Embedded C - Embedded C++
- Embedded Systems design and problem solving
- PCB Designing
- Data Structure
- ARM
- AVR
- Datasheets, Wiring diagrams and Schematics writing
- Communication protocols (UART, SPI, I^2C)
- Automotive protocols (CAN, LIN)

- REST APIs
- Real Time Operating System (RTOS)
- Project research
- Project documentation
- Hardware interfacing with software control
- Software life cycle
- Reverse engineering skills
- Testing products & software
- Video editing
- logo designing
- Graphic designing
- Web designing

TOOLS:

- Android Studio - VSCode - Platformio - ArduinoIDE - OpenCV
- Proteus - Altium Designer - Autodesk Eagle - Fusion 360 - Git and Github
- Microsoft Office - Figma - Adobe Photoshop - Adobe Illustrator - Sony Vegas - Audacity

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SOFT SKILL:

- Time management
- Communication skills
- leadership skills
- Decision making skills
- Problem-solving skills
- Teamworking skills
- Negotiation Skills
- Creativity
- Multitasking
- Adaptability

LANGUAGE:

- Arabic: Native
- English: Bilingual
- Deutsch: Intermediate