Ziad Ashraf Ahmed Ahmed

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New Cairo| military status: Exemption

Summary

Eager, dedicated, and technically adept, I am a Senior-2 Computer Engineering and Software Systems student with a passion for innovation and problem-solving. I have consistently demonstrated a strong academic record. My academic journey has been complemented by hands-on training in embedded systems, networking, and software development, equipping me with a diverse skill set to tackle complex challenges in the field. With a proactive approach to learning and a commitment to excellence, I am eager to leverage my skills and experiences to contribute effectively in a dynamic professional environment.

Education

B. Eng. Computer Engineering and Software Systems   Sept 2019 – Present

- Faculty of Engineering Ain Shams University (ICHEP) | Cairo, Egypt
  Dual Degree: University of East London | London, United Kingdom
  Accumulative Grade: 3.32 Excellent
- Graduation Project: **ASUSAR24 – Realtime environment (Sponsored by Garrio)**
  - Developing Cordoba AUTOSAR Software Tool.
  - Possessed in-depth knowledge of the AUTOSAR standard, including its architecture, SWS chapters, configuration parameters, main schema, and ARXMLs.
  - Understood the technical details regarding RTE in AUTOSAR.
  - Parsing and Integrating SWCs & Compositions ARXMLs Generator Into Cordoba Tool.
  - Integrating RTE With OS.
  - Integrating RTE With COM Signal.

TRAINING ACTIVITIES

- Embedded Systems Full Diploma, Learn in-depth (K.S.)   Feb 2024 – Present
- CCNA Training provided by NTI   July 2023 – sept 2023
- Embedded Systems training provided by sprints   Aug 2022 – Oct 2022
- Android development training provided by sprints   Aug 2021 – Oct 2021
- Leadership summer internship provided by P&G   July 2020 – Aug 2020

EXTRACURRICULAR ACTIVITY

- President of Pirates Egypt Student activity   Sept 2022- Sept 2023
- Head of fundraising at pirates Egypt student activity   Nov 2021– Sept 2022
- Egyptian collegiate programing contestant   Aug 2021
- Fundraising member at pirates Egypt student activity   Oct 2020–Sept 2021

Projects

- **WindowsControlSystem-RTOS** [Repo]
  Real-time OS application for controlling car windows, using Tiva C Cortex M4 board (EK-TM4C123GXL), motor driver and motor, push buttons, limiters and switches.
- **Embedded-project-calculator-Timer-Stopwatch** [Repo]
  This is an Embedded C project designed for Tiva C Cortex M4 board (EK-TM4C123GXL).
- **CarRacing-DistributedProject** [Repo]
  A multiplayer car racing game that allows multi-users and comes with chat feature so that players can chat during the game.

- **CarPool-Mobile application** [Repo]
  This App run by students for students, revolutionizes academic ridesharing. Users sign in with @eng.asu.edu.eg accounts for trust, while fixed destinations and scheduled departures ensure efficiency. Advanced reservations and a dedicated mobile app streamline the process further.
  UdacityRoboND-Rover [Repo]
  This is a computer vision project written in python designed for autonomous driving system of a
  drive rover for Mars Exploration project by NASA system achieves fidelity: 86% and mapping: 93.5%.

SKILLS AND ABILITIES

- Technical skills :-
  - Proficient in Embedded C, RTOS (Real-Time Operating Systems), and AUTOSAR (AUTomotive Open System ARchitecture).
  - Experience with VHDL, C++, Java, Python, and Flutter for software development.
  - Competent in web development technologies including HTML, CSS, and JavaScript.
  - Skilled in network analysis, configuration, and troubleshooting.
- Soft skills :-
  - Demonstrated leadership abilities through roles such as President of Pirates Egypt Student activity and Head of Fundraising.
  - Effective negotiation skills developed through various extracurricular activities.
  - Strong presentation and communication skills honed through academic and professional experiences.
  - Proven problem-solving abilities in both technical and interpersonal contexts.

LANGUAGE SKILLS

- English intermediate level with IELTS score 6.0   Sep 2020