Mayo Eid

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Career Objective:

Recent graduate in Computer Engineering with a strong foundation in software development, network architecture, and signal processing. Demonstrated ability through self-driven projects and eager to contribute to a dynamic team where I can continue to learn and grow alongside experienced professionals.

SKILLS:

- Technical skills: Java, JavaScript, Python, MS Office Suite (Word,Excel, Powerpoint), SQL, C, C++, SQL, HTML/CSS, React.js, Node.js, VS Code, Eclipse, AWS, API, Firebase, Git, Data Structures, Algorithms.
- Soft skills: Self-driven, Critical thinking, Punctual, Adaptable, Capable of making decisions under pressure, Dependable, Leadership skills, communication skills.
- Languages: Arabic (native), English (fluent) and French (intermediate)

WORK EXPERIENCE:

Belsante Soins infirmiers, Brussels, Belgium **Sep 2022 – Nov 2022**
Software Developer (Freelancing)

- Developed full-stack mobile applications using React Native and Flutter.
- Integrated location-based services to enhance user experience and functionality.
- Designed and implemented appointment scheduling systems for efficient time management.
- Integrated secure payment systems to ensure safe and reliable transactions
- Managed dynamic databases containing sensitive datasets, including medical records, client information, and employee data, with a strong emphasis on security and compliance.

Tripoli Governmental Hospital, Tripoli, Lebanon **July 2021 – Oct 2021**
Biomedical Engineering Intern

- Completed an IT internship at one of the largest hospitals in Lebanon.
- Troubleshot system and network issues, diagnosing and resolving hardware and software faults.
- Performed routine safety checks to maintain optimal IT system performance and ensure adherence to safety protocols.

Rafic Harriri COP., Meshref, Lebanon **June 2020 – Aug 2020**
Software Developer intern

- Developed a prototype for automated homes using microcontrollers such as STM32, Arduino, and Raspberry Pi.
- Integrated sensors to design a solar panel tracking system that optimizes energy capture by following sunlight..
- Conducted research and authored detailed documentation on home automation systems and technologies.

EDUCATION:

Vrije Universiteit Brussel , Belgium **Sep 2021-Sep 2024**
Master's in Applied Computer Sciences| Applied Sciences and Engineering

Rafik Hariri University, Lebanon **Sep 2018-Aug 2021**
Bachelor of Science in Computer and Communication Engineering

Relevant Coursework:

Deep Learning , Distributed Computing And Storage , Programing In C++, Web Technologies , Databases , Image Processing , Algorithms And Data Structures , Advanced IT Networks , Operating Systems And Security, Programming In Java

PROJECTS:

Master Thesis: " Energy Profiling of Embedded CNNs for Physiological Monitoring" **2023-2024**
After conducting intensive research on profiling the energy consumption of CNN models on an STM-32 microcontroller, I developed a calculator that estimates the energy consumption of a CNN model.

Senior Project: "Stock Predictor" **Spring 2021**
Created a stock predictor using Python and Flask for backend framework, handling real-time data retrieval and LLM model integration. Built a responsive and user-friendly interface with HTML and CSS, resulting in a 40% increase in user engagement. Implemented TensorFlow for building and training machine learning models, achieving a 35% improvement in prediction accuracy.

FerMet Project: "weight prediction for the patients in the IVF" **Spring 2022**
A sensitive dataset of patient information was analyzed, with thorough data cleaning conducted to address missing values, inconsistencies, and errors. Custom equations were developed and implemented to fill in gaps in the data, ensuring the dataset was complete and ready for analysis. Using this cleaned dataset, an ARIMA (Autoregressive Integrated Moving Average) model was developed and fine-tuned to predict the next weight of patients, achieving accurate and reliable predictions. Finally, a Flask app was created to deploy the model, allowing for easy upload and use.

Deep learning Project: "Time Series Forecasting" **Fall 2023**
A temperature forecasting dataset was analysed, with key parameters defined that were considered important for the model. Two models were then designed: one using Transformers and the other using an ARIMA model. After training both models to predict temperature, their performance was compared. Both models demonstrated strong results, with a slight preference towards the performance of the Transformers model.

INTERESTS

- basketball
- Reading
- Carting
- Artificial Intelligence