Rami Al Timani

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Summary

Computer and Communications Engineer and Certified Machine Learning Engineer. Enthusiastic about AI, cybersecurity, and network engineering, seeking a role to drive organizational success in the dynamic field of artificial intelligence.

Education

Rafik Hariri University - Mechref, Lebanon   Sep 2018 – Jul 2023
Bachelor of Engineering in Computer and Communications

Professional/Project Experience

Cyber Threat Intelligence for ZAKA's AIC Capstone Project
- Trained an AutoGluon detection model to identify malicious packets and establish an offline, secure platform leveraging Llama2 and LangChain.
- Developed a system to retrieve information from private documents, aiding in mitigating cyberattacks upon detection.

Zaka's Weekly Hands-On Projects
- Collaborated on diverse projects: Loan Acceptance Prediction, Smoker Status Prediction, Stroke Prediction with Neural Networks, Mask Detection Using CNNs, and Machine Translation (Eng - Fr).
- Implemented and deployed a Machine Translation model utilizing Flask, Docker, and Gradio for seamless accessibility and user interaction.

Retina Damage Detection System from OCT Images
- Utilized deep learning models and transfer learning for image recognition in a computer vision project.
- Developed an architecture to detect retina damage from OCT scan images at Jaber Consulting Ltd..

Design and Optimization of an RFID Antenna with Low SAR Using Machine Learning
- Created a dataset from CST Studio simulations of a Microstrip Patch antenna for the final year project.
- Built machine learning models using WEKA to predict optimized antenna parameters, focusing on specific absorption rate (SAR) reduction.

Volunteer/Internship Experience

Jaber Consulting Ltd., Remote   Jun 2023 – Jul 2023
Artificial Intelligence Intern
- Developed a deep learning system for retinal disease recognition and classification while conducting thorough research on image recognition approaches and implementations.

3E Technologies, Rouche Beirut, Lebanon   May 2023 – Jul 2023
Telecommunications Intern
- Studied the foundations of mobile/wireless communication and explored advanced technologies like GSM, GPRS, WCDMA, LTE, and 5G.

Certifications

- **ZAKA Artificial Intelligence Certification (with distinction)**   Dec 2023

Skills

Tools & Languages: Python, Anaconda, SQL, AWS, Docker, Linux
Packages: Scikit-Learn, NumPy, SciPy, Pandas, NLTK, BeautifulSoup, Matplotlib, Statsmodels, AutoGluon, Gradio, TensorFlow, PyTorch, LangChain
Machine Learning: Statistical Analysis, Regression, Clustering, Graph Theory, Regularisations,Computer Vision, Time Series Analysis, Generative AI, Natural Language Processing, Large Language Models, MLOps
Soft Skills: Resourceful, Excellent Team Communication, Strong Analytical and Problem-Solving Skills

Languages

• Arabic: Native, English: Fluent