IYAD AL ARAB

Junior Software Engineer

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🔗 **https://www.linkedin.com/in/iyad-al-arab-7921a9204**   📍 **Lebanon**

EDUCATION

Bachelor's degree in Computer Science

American University of Beirut

📅 09/2021 - 05/2024   📍 Beirut, Lebanon

GPA **3.57** / 4

· Achieved placement on the Dean's Honors List for the academic year 2023/2024.

High School Diploma

Le Lycee National

📅 01/2007 - 01/2020   📍 Choueifat, Lebanon

GPA **17.5** / 20

EXPERIENCE

Junior Software Engineer

Azadea Group

📅 09/2023 - Present   📍 Beirut, Lebanon

Junior IT Retail Solutions Specialist at Azadea Group

· Managed and Engineered Advanced Containerized Environments using Kubernetes
· Implemented API integration tests using NUnit
· Setup Jenkins to automate image building and deployment
· Learned and Implemented Design patterns in .NET, (Agent, Strategy, Mediator and Dependency Injection ...) Design patterns.
· Setup an application installer using InnoSetup

Software Engineering Intern

Azadea Group

📅 06/2023 - 09/2023   📍 Beirut, Lebanon

IT Retail Solutions Intern at Azadea Group for 4 months

· Collaborated in developing the User Interface for Azadea's new POS system Using Metronic Library
· Implemented Clean Architecture in C# for API Efficiency
· Enhanced my Skills in React TS, C#, .NET Framework, and Collaboration Tools

Business Analyst Assistant

American University of Beirut

📅 01/2023 - 06/2024   📍 Beirut, Lebanon

Assisted a Business ANalyst to configure a newly adapted CRM (SLATE CRM) to suit the University needs

· Optimized CRM Functionalities for Enhanced Management to suit the University needs
· Authored Documentation to Support CRM Configurations (Setting up Portals and Scheduler in SLATE CRM)
· Researched and Improved CRM Setup and Deployment
· Designed User-Centric Web Portals for Enhanced Navigation

Lab Instructor Assistant

American University of Beirut

📅 09/2022 - 12/2022   📍 Beirut, Lebanon

Assisted the Lab instructors in monitoring and helping undergradutes in thier coding lab assignments

· Guided Undergraduates in Programming Problem Solving
· Assisted Business Students with Microsoft Excel for Business Applications

PROJECTS

AUB Digital Twin

📅 06/2023 - 06/2024   📍 Beirut, Lebanon

University Capstone Project

- Managed Project Using Unity Version Control and JIRA
- Developed Performance-Optimized 3D Assets for AUB
- Optimized 3D Modeling and System Performance in Unity
- Programmed Sensor Modules for Real-World Data Integration

Breast Cancer Detection Machine Learning Model

📅 01/2024 - 04/2024   📍 Beirut, Lebanon

Collaborated in a team of three to develop a machine learning model for detecting breast cancer using a dataset with 1,200 parameters.

- Developed a Neural Network for predicting breast cancer type.
- Utilized sklearn Python libraries, including Random Forest and Gradient Boosting.
- Employed popular Python libraries such as NumPy and TensorFlow.
- Conducted data preprocessing to address anomalies and performed Principal Component Analysis (PCA) for data distribution analysis.Split the dataset for training and validation, and assessed the performance of various machine learning models.
- Finalized the model selection based on test dataset evaluation, achieving an accuracy of 82.2%, with an F1-score and recall rate of 81%.

SKILLS

Tools and Frameworks

| Blender | Asp.Net | Slate CRM | Docker | Jira | Autofac | Serilog | Kubernetes | Linux |

| Microsoft SQL Server | Nunit | Prometheus | Grafana | Redis | SQL Server | Ssh | Unity |

| React TS | Git | Bitbucket | MySQL | Agile | NUnit | Node JS | Microsoft 365 |

LANGUAGES

Arabic
Advanced
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English
Advanced
●●●○○

French
Beginner
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