



Maya Assaf

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● ABOUT ME

As a dedicated artificial intelligence engineer with a strong passion for back-end development, I am actively seeking a challenging opportunity to further my career. I aim to leverage my solid academic background and relentless pursuit of knowledge in a professional environment where I can translate theoretical insights into practical applications.

My goal is to contribute meaningfully to the success of an organization by combining my enthusiasm with my technical expertise. I am committed to ongoing personal and professional development, and I strive to enhance my skills while making a positive impact through dedicated teamwork, effective collaboration, and an unwavering commitment to growth.

● WORK EXPERIENCE

17/07/2024 – CURRENT Istanbul, Türkiye

AI DEVELOPER ALRIFAI CONSULTING GROUP

Currently serving as a Trainee AI Developer, Building AI-Based Services using LLMs Customer Service Educational ChatBot (Arabic and English) Fine tuning and RAG-Based project with Mistral. Collecting, analyzing, and processing various data professionally to make it suitable for model training.

01/10/2024 – CURRENT Istanbul, Türkiye

AI RESEARCHER ALRIFAI CONSULTING GROUP

Intern in the research program, conducting various studies and research papers related to artificial intelligence alongside a team, under the supervision of several professors at Al-Rifai Company. Last research paper: The Future of Strategic Measurement: Enhancing KPIs With AI

05/01/2024 – CURRENT Syria

FOUNDER AND AI ENGINEER XELION AI

Working on long-term strategies and plans, achieving measurable goals. providing smart solutions and services to various individuals and companies.

01/01/2024 – CURRENT

TEACHER & TRAINER

A teacher and trainer for students in machine learning and data mining, providing assignments and training on various concepts, and participating in Kaggle competitions.

● VOLUNTEERING

11/2024 – CURRENT Vienna, Austria

HEAD OF IT & AI DEPARTMENT at Recoding by Reparametrize Studio

Responsible for the IT & AI department, building clear structures and plans for the department, organizing all volunteers into 10 axes to develop post-disaster city strategies, and collaborating with the design, research, media, and education departments. Additionally, working on a platform to store data collected by data collection specialists in Syria, integrating smart technologies to analyze the data, and proposing smart solutions for areas needing rapid intervention.

<https://reparametrize.com>

09/09/2024 – CURRENT vienna, Austria

Leader of Leaders at Recoding by Reparametrize Studio

Responsible for 10 teams, monitoring their research, guiding all leaders, and clarifying all concepts and tasks for them.

13/03/2024 – 09/09/2024 vienna, Austria

Team Leader & Researcher at Recoding by Reparametrize Studio

Researcher in post-disaster city strategies, developing technical and smart methodologies, and leader of the social Factor team. Responsible for guiding team members and dividing tasks within the team.

09/2021 – CURRENT Damascus, Syria

Registration and distribution team member at Syrian Arab Red Crescent

Demonstrated strong interpersonal skills through courteous and empathetic interactions, maintained a dedicated commitment to job responsibilities, and proactively minimized resident wait times for efficient service delivery.
<https://sarc.sy>

● EDUCATION AND TRAINING

10/2019 – 09/2024 Damascus, Syria

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY | ARTIFICIAL INTELLIGENCE ENGINEERING Damascus University

Website <https://damascusuniversity.edu.sy/>

● PROJECTS

Intelligent Spelling Correction System

This model employs advanced deep learning, machine learning, and natural language processing methodologies to comprehensively analyze sentence context and rectify spelling errors in accordance with contextual cues.

Neura

a sophisticated Health Care Chatbot utilizing advanced Natural Language Processing techniques. Accomplished exceptional results in enhancing user experience and healthcare communication through innovative technological solutions.

Link <https://maya-assaf.github.io/portfolio/-neura.html>

Chicago Street Accidents Analysis

Conducted comprehensive data analysis on traffic accidents by integrating various data sources, including traffic patterns, road conditions, demographics, vehicles, and police districts. Leveraged machine learning, deep learning, and data mining algorithms to uncover accident causes and highlight critical insights in this area.

Predicting Student Dropout Causes

Analyzed extensive datasets on students and factors influencing dropout rates, using machine learning, deep learning, and data mining techniques. Developed predictive models to identify key factors contributing to student attrition, providing insights into possible interventions to support student retention.

Motion Capture for Animated Film Production

Developed a project that captures motion in a lab equipped with multiple optical cameras and sensors. Applied deep learning techniques to process the data, reconstruct missing parts, and transfer it to a 3D model. Corrected distortions and interactions to achieve realistic motion that closely resembles the original captured movement, ultimately producing an animated film.

Links https://www.linkedin.com/posts/maya-assaf-7052bb330_motioncapture-animation-neuralnetworks-activity-7262099548624351232-U2tH?utm_source=share&utm_medium=member_desktop | https://youtu.be/mQ4U13FAR_s?si=bAP7uFaT9_xOguJD

Puzzel Solver

Leveraging image processing and computer vision (OpenCV) methodologies to architect a system capable of solving dispersed puzzle pieces arranged within a grid or in puzzle form.

Yugo

Passenger-Taxi Connection Mobile Application Played a pivotal role in the development and management of YUGO, a dynamic mobile application engineered to establish seamless connections between passengers and nearby taxi drivers. Leveraged Flutter for the front-end and harnessed Laravel for robust back-end support. Contributed significantly to the successful realization of this innovative platform, fostering efficient and convenient transportation solutions for users.

Link <https://maya-assaf.github.io/portfolio-/yugo.html>

Angry birds Simulation

An immersive 3D simulation of the renowned Angry Birds game, meticulously crafted using the Unity engine from the ground up, while eschewing Unity's built-in physics functionalities.

Link https://maya-assaf.github.io/portfolio-/angry_birds_simulation.html

Filmatica

This application is a sophisticated knowledge-based system meticulously engineered to assist users in discovering tailored movie recommendations.

Link <https://maya-assaf.github.io/portfolio-/filmatica.html>

Celestial Bodeis Simulation

a sophisticated endeavor in the realm of astrophysics a meticulous physical simulation capturing the intricate movements of celestial bodies.

Link https://maya-assaf.github.io/portfolio-/galaxy_simulation.html

PharmaLine

Advanced Mobile Application for Electronic Medical Product Sales
Demonstrated key leadership and expertise in the development and oversight of Pharmaline, an innovative mobile application designed to facilitate electronic sales of medical products. Employed Flutter for the front-end and harnessed Laravel for the robust back-end infrastructure. Instrumental in the successful creation of this cutting-edge platform, revolutionizing the electronic medical product sales landscape with efficiency and precision.

Link <https://maya-assaf.github.io/portfolio-/pharmaline.html>

● DIGITAL SKILLS

Data Science | Data Collection, Data Processing, Data Analysis, Data Visualisation | Deep learning/Neural networks | Machine Learning, NLP | Scikit-Learn | Computer Vision | TensorFlow | PyTorch | Keras | OpenCV | Larvel PHP and MY SQL | Vue.js | HTML CSS Javascript | Git | python c++ c# java | Datascience

● COMMUNICATION AND INTERPERSONAL SKILLS

Time management, Effective communication, Problem-Solving, Strong academics Performance, Effective communication performance, Leadership skills, Adaptability and flexibility, Time management, Teamwork abilities

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
GERMAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user