Ziad Wael Abdl Hamed

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# Professional Summary

# I am a recent graduate from Cairo University's Faculty of Computer and Artificial Intelligence with a major in AI. My expertise spans machine learning, deep learning, and data analysis, supported by extensive hands-on experience in real-world applications. Through roles as a deep learning intern at NARSS, automation engineer at Shobbk, and data science intern at Giza Systems, I have gained diverse industry insights, including custom automation for restaurant menus and environmental monitoring with deep learning. Additionally, I teach AI as a part-time instructor at Ischool. Skilled in Python, TensorFlow, PyTorch, and no-code tools like Zapier, I am driven to harness technology to solve complex challenges and make a meaningful impact.

# Education

Bachelor's degree Artificial Intelligence and Computer Science , Major AI Cairo University, May 2024

GPA: 3.11 Very Good

# Experience

**Data Science Intern**

Giza Systems, Sept 2024 – Present (hybrid)

* Engaged in advanced data analysis and modeling projects, focusing on predictive analytics and data visualization to drive strategic insights.
* Collaborated with cross-functional teams to apply machine learning solutions in industry-specific contexts.

**Automation Engineer Part Time**

Shobbak , Apr 2024 – Present (Remote)

* Developed GENIE, a customized automation tool designed for the restaurant industry to convert unstructured menu data (images, web links, documents, PDFs, Excel files) into structured formats.
* Leveraged no-code platforms such as Zapier to streamline data processing and improve operational efficiency for restaurant clients.

## AI Instructor Part Time

ISchool, in collaboration with MCIT, Nov 2023 – June 2024 (Remote)

* Spearheading the DEMI project, a Four-month initiative designed to introduce primary school students to coding and AI.
* Crafting a tailored curriculum that addresses the unique educational needs of young learners in the realm of technology.
* Leading dynamic and interactive coding sessions aimed at both educating and engaging students in the fundamentals of AI.
* Administering assessments and providing feedback to ensure a comprehensive and captivating learning experience.
* Staying current with industry trends to enrich the curriculum and foster an environment conducive to innovation.
* Working in close partnership with MCIT to align educational strategies with the overarching goals of the primary school program.

## Deep Learning Engineer intern

National Authority for Remote Sensing and Space Sciences (NARSS) Jul 2023 - Sep 2023

* Worked on advanced Lidar satellite technology to enhance air quality prediction models.
* Applied deep learning techniques to analyze and interpret spatial data for environmental monitoring.
* Collaborated with a multidisciplinary team to contribute to sustainable space science solutions.

## Automation Engineer intern

First Gulf Solutions, Digital Transformation Solutions, Aug 2022 - Oct 2022

* Implemented automation solutions for business processes using Python
* Analyzed data and generated reports using SQL and Excel
* Communicated with clients and stakeholders to understand their needs and expectations

## Machine Learning

Orange Digital Center Egypt ,Aug 2022 - Sept 2022

* Participated in the workshop on machine learning and deep learning
* Learned how to use TensorFlow, Keras, PyTorch, and other frameworks for building models
* Completed several projects on image classification, natural language processing, and computer vision

## Mobile Application Developer

Orange Digital Center Egypt ,May 2022 - June 2022

* Developed a mobile application using Flutter for a Flutter Hackathon
* Integrated Google Maps API and Firebase services into the app
* Presented the app to a panel of judges and received positive feedback

## Mobile App Developer Intern

The Sparks Foundation , Feb 2022 - Mar 2022

* Developed a mobile application using Flutter for a social welfare organization
* Implemented features such as payment gateway, user authentication, and QR code scanner
* Submitted the app to the organization and received a certificate of achievement

## Banking intern

Banque Maser ,Jun 2021 - Aug 2021

* Completed a summer internship at a leading bank in Egypt
* Learned about banking operations, services, and regulations
* Assisted customers with their inquiries and transactions

# Awards

**Certifications Data Scientist Career Track - 365 Data Science November 2022.**

* Completed a comprehensive online course covering the core topics of data science, such as statistics, probability, Python, SQL, machine learning, and deep learning
* Passed nine exams with an average score of 95%
* Learned how to use Jupyter and Git for data analysis and version control
* Applied data science techniques to real-world datasets and scenarios, such as predicting house prices, analyzing customer behavio

# Volunteer

## Technical Member

180 Daraga , Dec 2020 - Aug 2022

* Developed mobile applications using Flutter for the club's events and activities
* Managed the app's database and user interface
* Coordinated with other technical members and club leaders

## Mobile Application Developer

SCCI-CU ,Feb 2021 - Dec 2021

* Developed mobile applications using Native Android for a student club at Cairo University
* Worked on projects such as an online bookstore and a quiz app ...
* Mentored junior developers and taught them Flutter basics

## Fundraising (FR)

IEEE , Dec 2021 - Jan 2022

* Participated in a fundraising campaign for a student branch of IEEE
* Collected donations from sponsors and supporters
* Helped organize events and activities for the branch members

**Skills**

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| --- | --- | --- | --- |
| * C++ | * Python | * Dart | * MATLAB |
| * SQL | * GitHub | * Excel | * Power BI |
| * TensorFlow 2   **Language** | * Postman | * Java | * Keras |
| * English Intermediate (B2) |  | * Arabic Proficient (C2) |  |