Ziad ElKhazendar

Software Engineer

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PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant
AAST, College of Computing &Information Technology

09/2022 – present
Alexandria, Egypt

- **Taught undergraduate courses**, including:
  - ProblemSolving & Programming
  - Introductionto AI
  - Advanced AI
  - Mathematical Foundations for AI
  - Web Programming
  - Computer Graphics
  - Game Programming
  - Digital Logic Design
- **Taught graduate-level Data Structures & Algorithms** in the Computer Science Diploma program, providing in-depth instruction and support to advanced students.
- **Conducted online courses** for industry professionals, including two rounds of "Industrial Applications in AI" in collaboration with the AAST Industry Service Complex.
- **Administrative Responsibilities:**
  Contributed to ABET accreditation efforts, assisting in collecting data and preparing documentation for the accreditation of college programs.
  Played an integral role in the Timetable Committee, responsible for organizing and creating the college's timetables.
  Participated in the Quality Assurance unit, gathering and evaluating course samples
- **Research Responsibilities:**
  Currently researching neural network architecture pruning, focusing on optimizing deep learning models to reduce computational costs while maintaining performance.

Machine Learning Intern
Smart Technology (ST Smart)

07/2021 – 09/2021
Alexandria, Egypt

- Participated in developing, testing and deploying ML models.
- Participated in team meetings enhancing my teamwork and communication skills

EDUCATION

Master of Science, Computer Science
AAST, College of Computing &Information Technology

09/2022 – present
Alexandria, Egypt

- Full Scholarship from AAST with 4.0 GPA

Bachelor of Science, Computer Science
AAST College of Computing &Information Technology

09/2018 – 07/2022
Alexandria, Egypt

- Graduated top of my class with 3.9 GPA
- Awarded full scholarship, 2021 from AAST for being top of my class.
- Minored in Information Systems

PROJECTS

Arabic Query Language for In-Memory Databases
08/2023 – 09/2023
Personal Project

Fully arabic simple database management system to allow CRUD operations using query language with arabic commands.

Credit/Debit Cards Fraudulent Purchases Detection System
09/2021 – 06/2022
AAST, Graduation Project

Developed a machine learning model to be integrated with a card issuer system to detect and stop fraudulent purchases.
Used python, MySQL, Flask

Assembler for Simplified Instruction Computer (SIC/SICXE) Hypothetical Architecture
11/2020 – 12/2020
AAST, Course Project

Used JAVA to develop an assembler for SIC/SICXE architectures which translates assembly language programs to their equivalent operation codes.

SKILLS

Problem Solving
C/C++

Machine & Deep Learning
Using Python libraries:
Tensorflow/PyTorch/Sci-Kit Learn

Test Automation using Selenium

Software & Web Development
Java/C#/Unity Engine
PHP, JavaScript & NodeJS

Data Analysis
Using python libraries:
Pandas/Seaborn/NumPy
Data visualisation using PowerBI & Tableau

CERTIFICATES

Google IT Support 🔗
from Google via Coursera

Google Advanced Data Analytics 🔗
from Google Via Coursera

Academic Advising & Credit Hours System
from AAST

LANGUAGES

Arabic	**English**	**German**	**French**
Native	IELTS 8.0	Conversational	Basic

INTERESTS

Football | Gaming | Traveling | Go Kart Racing | Animal Rescue | Investing