Ahmed Radwan *Computer Science*

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Profile

As a Computer Science student, I possess expertise in programming languages such as Python and a deep understanding of machine learning, deep learning concepts and techniques through my coursework and extracurricular activities. I am eager to continue learning and growing both academically and professionally.

Education

Computer Science
King Abdulaziz University
2019 – present
4.99 GPA

Personal Development

Mathematics for Machine Learning and Data Science Specialization
DeepLearning.AI
Completed an intensive course in Mathematics, Linear Algebra, and Statistics, tailored to machine learning. Gained advanced statistical skills and key competencies for data analysis, technical interviews, and career growth in machine learning.

Machine Learning Specialization
DeepLearning.AI
Stanford University
Expert in supervised learning, unsupervised learning, and reinforcement learning implemented using Keras.

Programming jam 8.0/6.0
ACM
Using algorithms and different techniques in competitive programming to achieve an optimal solution.

Technical Skills

Python
Pandas, Numpy, Sklearn and PyTorch.

Java

Languages

English
IELTS 7.5/9.

Arabic
Native.

Work Experience

Researcher
Asas.ai
2023/09 – Present
- Developing Applications Utilizing Large Language Models, and Improving Arabic Language Representation.

Head of AI Unit
Drone and Robotics Aziz Group at KAU
2023/09 – Present
- Manage a team of 50 members, overseeing their development and preparing them for participation in hackathons.
- Empower the public to learn AI through bootcamps and lectures.

Artificial Intelligence Intern
KAUST
2023/07 – 2023/08 | Thuwal, Saudi Arabia
- Auto Encoders, Variationally Autoencoders (VAEs), and Generative Adversarial Networks (GANs).
- Explored models, optimal policies, and Bellman's theory.
- Combine GNNs with Recurrent Neural Networks (RNNs) to create Graph Recurrent NeuralNetworks (GRNNs).
- Discover sophisticated models like R-CNN, Faster RCNN, and YOLO for object detection and localization.
- NLP project development and exploring optimization techniques.

Teaching Assistant
KAUST Academy
2023/03 – 2023/11 | Thuwal, Saudi Arabia
- Introduction to Artificial Intelligence Course.
- Advanced Artificial Intelligence Course.

Projects

SARD: Image-Inspired Narratives
Developed a drag-and-drop system to help the writers. Utilized LLMs to produce a coherent story using Images and Relations.

Addressing Bias Through Ensemble Learning and Regularized Fine-Tunin
Enhancing model Performance with Regularized Fine-Tuning and Ensemble Learning for Improved Accuracy using small datasets.

Skin Cancer Image classification
Developed a model for image classification using data loading techniques and Convolutional Neural Network using Keras.