

# Esraa Mosaad Abdelrazek

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## EDUCATION

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Cairo University, Doki

Jan 2019 - Aug 2023

*Bachelor of Computer Science and Artificial Intelligence, GPA: 3.11*

- Built a strong foundation in computer science through core coursework during the first two years.
- Transferred to the Artificial Intelligence department in the third year, focusing on advanced AI subjects like Machine Learning to deepen expertise in the field.
- Graduated with an excellent grade on the final project, showcasing the ability to apply AI concepts to job recommendation systems.

## WORK EXPERIENCE

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Digital Egypt Pioneers Initiative - DEPI, Cairo

Apr 2024 - Sep 2024

*IBM Data Scientist*

- Gained hands-on experience with essential tools such as Python, SQL, and libraries like Pandas and NumPy for data analysis.
- Created data visualizations with Python libraries such as Matplotlib and Seaborn to present insights.
- Learned MLOps tools like MLflow and Hugging Face to manage machine learning lifecycle and model deployment.
- Completed a capstone project involving data collection, wrangling, exploratory analysis, and model evaluation to solve real-world problems.

RWS, Remote

Apr 2024 - Present

*Data Evaluator - Google Data Services Projects (Bard Rating)*

- Evaluated the responses of the AI model Bard, focusing on the quality, relevance, and accuracy of generated content.
- Provided detailed feedback on AI outputs to enhance the model's performance and user experience.
- Utilized analytical skills to rate responses based on specific criteria, ensuring alignment with project standards.

ASDC, Remote

Nov 2023 - Dec 2023

*Artificial Intelligent Intern*

- Analyzed customer groups using AI techniques to enhance market strategies, leveraging advanced data analysis and machine learning algorithms.
- Developed expertise in GPU-accelerated tasks, optimizing data processing efficiency and improving performance with large datasets.
- Successfully implemented YOLOv8, gaining practical experience in segmentation techniques and object detection.
- Acquired skills in efficiently handling large images for model optimization, ensuring optimal performance in object detection tasks.

TechnoHacks EduTech, Remote

Nov 2023 - Nov 2023

*Machine Learning Intern - Batch 16*

- Utilized a comprehensive medical dataset to develop a predictive model aimed at determining whether a person has diabetes or not
- Developed a model that effectively identified and flagged potential fraudulent activities, contributing to the prevention of financial loss
- Leveraged the CIFAR-10 dataset to create a powerful image classification model capable of accurately classifying images into ten distinct categories.

*Artificial Intelligent Intern*

- Acquired proficiency in handling and preparing data for machine learning models
- Utilized multiple datasets, including COVID-19, Iris, MNIST, CIFAR-10, Boston Housing, Breast Cancer, and Fashion datasets
- Explored a wide range of machine learning models, such as Naive Bayes, K-Means, K-Nearest Neighbors (KNN), Support Vector Machines (SVM), Decision Tree Classifier, Neural Networks (NN), Convolutional Neural Networks (CNN), VGG16, AlexNet, LeNet-5, and Recurrent Neural Networks (RNN)
- Engaged in a group project where we collaboratively selected a topic and conducted research.
- Prepared and delivered a presentation in front of our instructor and classmates.
- Enhanced communication abilities through effective teamwork and coordination within the group.

PROJECTS & EXTRACURRICULAR

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**Graduation project**

Sep 2022 - Jul 2023

[GP\\_Job-Recommendation-and-Filtering.doc](#)

- Collaboratively developed a job recommendation and filtering system using machine learning techniques.
- Responsibilities included designing machine learning models, implementing data filtering techniques, and creating a user-friendly website to showcase the system.
- Demonstrated leadership, teamwork, decision-making, problem-solving, and time management skills while working on a collaborative project with a multidisciplinary team. As a team leader, I facilitated effective communication, delegated tasks, and ensured project milestones were met within the given time frame.

**Student Activity**

Jan 2020 - Apr 2023

- Contributed as a member of the Family 180 committee, specializing in video production.
- Showcased creativity and expertise by producing captivating short educational animation videos for the Family 180 YouTube page.
- Contributed to advancing students' knowledge by providing valuable assistance teaching C++ courses.
- Contributed to organizing the New Stage event, fostering community engagement.

SKILLS

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**Programming Languages:** Python, C++**Artificial Intelligence & Machine Learning:** Natural Language Processing, Machine Learning Models, Deep Learning, Reinforcement Learning**Deep Learning Frameworks:** TensorFlow, Keras**Computer Vision:** Object Detection, Image Processing**Data Handling:** Data Structures, Pandas, NumPy, Matplotlib**Data Processing Tools:** PySpark, Docker**Version Control:** Git & GitHub**Model Management:** MLflow**Web App Development:** Streamlit

References are available upon request