

Mohamed Aziz

Machine Learning Engineer

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Profile

I'm a passionate learner who always aims to learn and contribute, and an organized team member who encourages cooperation to achieve bigger goals. I am enthusiastic about new trends in AI like GANs, Pre-trained models, and computer vision. I always aim to produce accurate and precise results

Projects

Named Entity Recognition (NER) [🔗](#)

05/2023

I recently completed a project on named entity recognition using a combination of natural language processing techniques and machine learning algorithms. The goal of the project was to develop a model that could accurately identify and extract named entities (such as people, organizations, and locations) from unstructured text data.

To achieve this, I utilized a variety of tools and techniques, including stopwords, WordNetLemmatizer, word_tokenize, CountVectorizer, TfidfVectorizer, and logistic regression. These tools allowed me to preprocess the text data, convert it into a numerical format, and train a model that could accurately classify named entities.

Lung Cancer Detection [🔗](#)

12/2022

we built a model that identifies risk factors for lung cancer and predicts the level of getting lung cancer. I used StandardScaler, train_test_split, and LabelEncoder for preprocessing and trained the model by logisticRegression, KNeighborsClassifier, and RandomForestClassifier to show what gives us the best accuracy and work with Deep Learning also.

[deployment on GitHub](#) [🔗](#)

PAC-MAN -Game-Project [🔗](#)

2022

The main goal is to use an AI search algorithm to let Pacman eat all the pellets(Nodes) on the board. In my project, I have used A* algorithm. In addition, The game was implemented using the Unity game engine.

Education

B.S Computer Science / Artificial Intelligence,

2020 – present | Mansoura, Egypt

Mansoura University

GPA: 3.11

HCIA-AI Learning, Huawei

07/2022 – 09/2022

Through the program, I gained a solid foundation in machine learning algorithms such as KNN, SVM, linear regression, and logistic regression. I also learned data preprocessing and cleaning techniques and explored both supervised and unsupervised learning. Additionally, I studied deep learning techniques such as neural networks, including CNN, RNN, and LSTM, and had the chance to work with different platforms such as MindSpore.

Technical Skills

Strong programming skills (Python C# Javascript),

Experience with machine learning libraries and frameworks (TensorFlow PyTorch Scikit-learn NLTK OpenCV),

Strong understanding of algorithms, data structures, and computer science fundamentals,

Excellent communication and problem-solving skills, Source Control (Github)

Skill

communication skills

Team player

Team Mangament

take responsibilities

Creativity

Certificates

• AI Huawei and Machine Learning [↗](#)

• Creative Innovation Camp [↗](#)

Languages

Arabic

English

Volunteering

ENTER TEAM, TEAM LEADER

07/2022 – present

I have developed strong communication skills and the ability to motivate and inspire team members to achieve their best. I have also gained experience in project management, including the planning, execution, and evaluation of projects. Through my work as a team leader, I have developed a deep understanding of the importance of collaboration, accountability, and effective time management in achieving team goals.

Some of my key achievements as a Team Leader include :

- Create a technical circle.
- build an (Infinity [↗](#)) Event. (as a Project Manager)

ENTER TEAM, Scientific member

02/2022 – 07/2022

summarize syllabus for my colleagues and help them understand a hard part of a specific chapter