ABOUT ME

I'm Mohamed Abdalkader a passionate computer science, graduated from Zagazig University with a deep love for AI, Eager to contribute to the technology industry and continuously enhance ML and DL skills. Embracing challenges with innovation and determination to make a positive impact in computer science. Excited to shape the future with transformative solutions through the power of artificial intelligence.

SOFT SKILLS

- Attention to Detail
- Creativity
- Time Management
- Problem-Solving & Logical thinking
- Teamwork
- Resilience
- Presentation Skills

LANGUANGE

Arabic

English

AWARD

- ITAC (2023)
  Fund : 70K Egyptian pounds
- Academy of scientific research (2023)
  Fund : 35K Egyptian pounds
- IEEE Competition (2023)
  Certificate
- IEEE AI-Azhar (2022)
  Machine Learning Certificate

MOHAMED ABDALKADER.

MACHINE LEARNING ENGINEER

CONTACT

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HARD SKILLS

- Strong Programming Skills (Java, Python).
- Object Oriented Programming (OOP).
- Data Structure and Algorithms.
- Database.
- Design patterns.
- Software engineering.
- Desktop development (Java).
- Familiar with Internet of Things (IoT).
- Data manipulation and data analysis (Python).
- Machine learning - Experienced in implementing various algorithms and building supervised models with dense layers, CNNs, and RNNs for deep learning tasks.
- Command Line - CMD and Linux terminal commands.
- Version control - Familiar with Git and GitHub.

EDUCATION

2019-2023 **Bachelor's degree in Computer Science**
Zagazig University

Description Graduated with a Bachelor's degree from Zagazig University. During my academic journey, I diligently sharpened my expertise in programming, data structures, algorithms, and software engineering

PROJECTS

- **Graduation project (**AI-IoT for Renewable Energy Prediction**)**

  An impactful project optimizing renewable energy adoption through AI and IoT technologies. The framework predicts future energy patterns, promoting sustainability and reliability. Experience is crucial for successfully navigating the complexities of this job.

- **AI Projects**
  - **Medical Machine Learning** :
    - Breast cancer detection
    - Diabetes detection
  - **Energy Generation Forecasting** :
    - Solar and wind forecasting (Time series)
    - Solar and wind forecasting (Weather)
  - **Power Consumption Forecasting** :
    - Household power consumption forecasting
  - **Image Processing with Autoencoders** :
    - Autoencoder denoising image
    - Autoencoder image colorization
  - **Music Genre Classification** :
    - Rock and HipHop classification
  - **Nature-Inspired Optimization** :
    - Ant colony optimizer
  - **Image Recognition** :
    - 101 dish recognition
  - **Sentiment Analysis** :
    - Internet Movie Database (IMDb) reviews classification
  - **Others**
    - Handwritten Digits Recognition
    - House Rent Prediction

- **Desktop Applications**
  - **Modifier** : Streamline file and folder renaming with a single click using this desktop application that directly interacts with the operating system.
  - **Converter** : Simplify numerical system conversions and manipulate texts effortlessly with this versatile desktop tool.
  - **Islamy** : Embrace an all-inclusive Islamic experience featuring Azkar, Duas, an Islamic test, and usage tracking with network statistics sharing.
  - **Formal** : Dive into Formal Language and Compiler design with this program, empowering users to create, modify DFA tables, verify mathematical equations, and perform differentiation.
  - **The Ghost** : Embark on an engaging two-dimensional challenge as you catch progressively faster ghosts at each level in this exciting game.
  - **Store** : Manage product information effortlessly with this user-friendly desktop application, including viewing, modification, and invoice creation with receipt printing capabilities.

- **Internet of Things**
  - Solar power generation system
  - Agricultural system prototype