Mohamed Osama

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Education

Egypt-Japan University of Science and Technology 2021 – 2025
Faculty of Engineering, Artificial Intelligence and Data Science Department *CGPA: 3.19*
National Telecommunication Institute Sep'23 - Dec'23
AI Program

Skills

Programming Languages: C++(Proficient), Python(Proficient),JavaScript(Familiar),
Frameworks : .Net, Keras
Developer Tools: GitHub
Database Systems: SQL
Communication Skills : Adaptability in communication, Team collaborator, Active listener
Database Systems:SQL

Important Courses

- Data Structures and Algorithms
- Mathematics of Data Science
- Advanced Programming
- Web Programming
- Operating Systems
- Database Systems
- Software Engineering
- Probability and Statistics
- Algorithms Analysis and Design
- Intelligent Systems

Projects

Blood Bank Managment System (Team) | *HTML,CSS,javascript,ASP.Net,SQL*

- Developed a web-based blood bank management system using HTML, CSS, JavaScript, ASP, and SQL.
- Implemented features like donor registration, inventory tracking, and request management.
- Collaborated with team members to integrate various technologies and deliver a comprehensive blood bank management solution.

Arabic Letter Classifier | *Keras*

- Developed a Convolutional Neural Network (CNN) for image classification, specifically designed for Arabic letters.
- Utilized a CNN architecture with convolutional and max-pooling layers to extract hierarchical features from input images.
- Implemented fully connected layers with ReLU activation and a dropout layer for regularization.
- Used softmax activation in the output layer for multiclass classification into 65 different classes of Arabic letters.
- Applied Categorical Cross Entropy loss function, suitable for multi-class classification with mutually exclusive classes.

Dairy Farm Management System (Team) | *Oracle Database, Microsoft Windows Form*

- Designed to ensure the holistic well-being of the herd, optimize milk production, and enhance farm efficiency.
- Serves as a digital hub for monitoring individual cows' health records, reproductive cycles, and milk production data.
- Provides real-time insights into cow health, enabling prompt issue identification and resolution.
- Supports data-driven decision-making, maximizing productivity, minimizing costs, and ensuring regulatory compliance for sustainable and ethical dairy farm management.

Languages

- English
- Arabic
- Japanese

Personal information

Date of Birth : 16 February 2003 **Military Status:** Exempted