Mohamed Ibrahim Eldesoky

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SUMMARY

Fresh graduate Software Engineer with a background in AI programming and a strong foundation in C#, along with experience in Python and Java. Quick to adapt to new technologies, eager to collaborate with teams, and passionate about learning and developing innovative software solutions .

EDUCATION

Bachelor of Computer Science
Faculty of Computers and Information, El Shorouk Academy.
Graduation Year: 2024
Grade: Good

SKILLS

- **Programming Languages:** C# (primary), Python.

- Database Management.   - Software Development. - SDLC.

- Problem-Solving.   - **Artificial Intelligence:** Building AI models using CNN.

- API Development.   - Basic Networking.

PROJECTS

Statue Detection System (Graduation Project)

- Built and trained a Convolutional Neural Network (CNN) model using MobileNet V2 to detect statues in images.

- Created and curated the dataset, including data cleaning and preprocessing.

- Developed custom APIs using Flask to simplify interaction with the trained model.

- Technologies: MobileNet V2, Python, TensorFlow, Flask, Data Preprocessing.

Product Price Prediction System (Freelance)

- Built a Machine Learning model using Decision Tree to predict product prices based on location-specific data.

- Analyzed and processed a pre-existing dataset to clean and prepare the data for model training.

- Delivered accurate price predictions tailored to specific regions.

- Technologies: Python, Pandas, Scikit-learn, Decision Tree.

Clinic Reservation System (Freelance)

- Prepared detailed system documentation, including system requirements, functional specifications, and process workflows.

- Conducted in-depth system analysis, creating diagrams such as Sequence Diagrams, Use Case Diagrams, and Data Flow Diagrams (DFD).

- Utilized **Microsoft Visio** for modeling and designing the system architecture and workflows.

- Technologies: System Documentation, System Analysis, Microsoft Visio.

COURSES

AI Diploma
Instant Software Solution

- **Duration:** 160 Hours (Approximately 6–7 Months)
- **Start Date (Approximate):** September 2023
- **Completion Date:** April 1, 2024
- **Description:** Comprehensive training in Artificial Intelligence, with a focus on Machine Learning, Deep Learning, Data Analysis, and Data Manipulation techniques.

Python Programming
Instant Software Solution + College

- Learned Python basics and Object-Oriented Programming (OOP).
- Applied Python in Artificial Intelligence projects, focusing on data processing, analysis, and automation tasks.

C# Programming
Self-Learning + College

- Studied Object-Oriented Programming (OOP) concepts and Data Structures.

Databases
Self-Learning + College

- Studied SQL basics, database design, and schema creation.
- Worked on advanced topics like normalization and database diagrams (ERD) through college projects.

Software Engineering
College (Software Engineering 1 & 2)

- In-depth understanding of the Software Development Life Cycle (SDLC).

System Analysis and Design
College

- Focused on system modeling techniques, including Sequence Diagrams, Use Case Diagrams, and Class Diagrams.
- Specialized in analyzing user requirements and creating system architectures.

LANGUAGES

- Arabic : Native
- English : Good