Kareem Hosny

Jr. .NET Software Engineer

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Education

Helwan University, Faculty of Computers and AI **Sep. 2019 – May 2023**

Bachelor of Science in Computer Science, ***GPA: 3.78/4.0*** *Cairo, Egypt*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- AI, ML
- Linear Algebra
- Deep Learning, NLP
- Probabilities, Statistics

Experience

Leader Group **June 2023 – Dec. 2023**

Jr. Full Stack Developer *Remote*

- Gained real-world experience with Git, SQL Server, Entity Framework, and deployment processes on cloud/on-prem environments.
- Wrote modular, reusable code following best practices in component-based architecture and RESTful design.
- Collaborated with cross-functional teams to design user-friendly interfaces and deliver solutions that streamlined daily public service workflows.
- Optimized application performance and load times, leading to improved user satisfaction and system efficiency.

Projects

Freelancing Projects:

- **Angular Banking UI for Customer Kiosks** Designed and developed an interactive user interface using Angular for bank kiosks aimed at assisting customers with common banking tasks.Additionally, I also Applied internationalization (i18n) practices to support multi-language user interfaces.

- **Stock Price Prediction Tool** Built a machine learning model to predict future stock trends using historical market data and time series analysis. Moreover, I trained and tested various regression models (e.g., Linear Regression, Random Forest, LSTM) to identify optimal performance. Pandas, NumPy, Scikit-learn, and Matplotlib.

Academic Projects:

- **Explicit Content Detection in Lyrics Using BERT** [Graduation Project] Built a text classification model to detect explicit content in song lyrics using BERT (Bidirectional Encoder Representations from Transformers). Deployed the model in a simple interface for easy input and result visualization.

- **Real-Time Object Detection with YOLO** Implemented an object detection system using the YOLOv4 architecture to identify and localize multiple objects in real-time video feeds. Achieved fast and accurate detections across various object classes, demonstrating robustness in different environments.

Technical Skills

Languages: Python (TensorFlow, PyTorch), Java, C, C++, C#, HTML/CSS, JavaScript, SQL
Software Design: Object-Oriented Programming (OOP), SOLID Principles, Domain Driven Design (DDD)
Technologies/Frameworks: Docker, Angular,OpenCV, Keras, scikit-learn, NLTK, GitHub

Leadership / Extracurricular

Helwan-ICPC **January 2020 – January 2022**

Mentor *Helwan University*

- Supported training and mentoring sessions for junior participants preparing for the ICPC (International Collegiate Programming Contest).
- Fostered a collaborative and competitive learning environment, encouraging students to think critically under pressure.

Personal Information

Military Status: Completed
Languages: **Arabic** [Native], **English**[Excellent , IELTS Overall Score : 7.5]