

Ismail Ahmed El-Sharkawy

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PROFILE

Analytical and solution-oriented Computer Engineering graduate with a wide variety of technical skills. Passionate about Web Development and Machine Learning and looking forward to advancing my knowledge in both fields.

EDUCATION

The American University in Cairo

Sep 2015 – July 2020

Egypt

- Bachelor of Science in Computer Engineering
- GPA: 3.32
 - Thesis Research Project: (Grade: A)
An advanced machine learning ensemble anomaly detection model aiming to detect DDoS attacks with as high of an accuracy/precision as possible in the shortest period.

International School of Elite Education

June 2015

American Diploma

Egypt

SELECTED PROJECTS

- Implemented a heart-beat anomaly detection model using Keras with a 94% accuracy and deployed the model on an STM32 microprocessor using STM32.AI and C/C++ for real-time inference
- Implemented a distributed systems application to send and receive large images using C++.
- Implemented an online ride sharing system using Node JS, React native along with bootstrap.
- Developed an android wedding application prototype using android studio.

CAREER-RELATED EXPERIENCE

Spectrum

Jul 2019 – Sep 2019

Web Development Intern

Egypt

- Responsible for the implementation of an E-Commerce website using Woo Commerce on WP platforms.
- Customizing the default template using HTML, CSS, and JavaScript.
- Integrating with a payment aggregator using Restful.
- Integrating services with various social media platforms.

EXTRACURRICULAR ACTIVITIES

- Member in ICGE PR team
- Actor in winning play taking place in 57357 hospital in the “You’re the role model” event.
- Member in robotics club.
- Participated in organized entertainment trips to orphanages.

SKILLS

Technical Skills	DBMS (SQL, NoSQL, MySQL) BI (Data Modelling , Data Visualization) Programming (C, C++, C#, JAVA, Python, Node, JavaScript, <i>HTML</i> , <i>CSS</i> , <i>React</i>) DevOps (Git) Object Oriented Programming Data Structure Shell Scripting Agile concepts Software Development ML algorithms
Technologies & Tools	Microsoft SQL Server SQL Server Integration Services (SSIS) MongoDB Android Studio Microsoft Visual Studio
Languages	Arabic: Native English: Excellent French/Spanish: Novice

PERSONAL INFORMATION

- **Military Status:** Exempted
- **Date of Birth:** 2-2-1998
- **Nationality:** Egyptian