

Aya El-Rahman Kamal El-Deen

Giza, Egypt

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PROFILE

I have knowledge in automation testing and testing procedures on software application and ensuring that all defects are identified and corrected before release to client. Having excellent problem solving and analytical skills and experience of different Types of Testing, Testing Techniques, and Testing Levels Throughout the life cycle of a project from specification reviews through to user Acceptance.

TECHNICAL SKILLS

- Implement test automation framework using Selenium Webdriver (java), TestNG, Maven, allure reports and integrate it with Jenkins pipeline.
- Applying Page Object model (POM) design pattern to the Framework.
- Applying Allure report to the test automation framework.
- Creating scripts with data test driven from excel sheets.
- Hands-on experience in using Cucumber.
- Source Code Management Tools: GitHub, Bitbucket.
- Strong OOP programming skills using JAVA.
- Working with Bug Tracking tools: JIRA, Bugzilla, ALM.
- Mobile Testing (Android, IOS)
- DBMS: Microsoft SQL Server, and Oracle SQL Developer.
- Programming Languages: C, C++, C#, Java, NodeJS and Python.
- Development Tools and IDEs: Eclipse, IntelliJ, Microsoft Visual Studio, and VS Code.
- Whitebox Testing Using: SonarQube
- Backend Testing using: SoapUI, Postman, and JMeter.
- Performance Testing Using: JMeter.

CERTIFICATIONS

- ISTQB Foundation level, Aug. 2018
- ISTQB Agile Tester Foundation Level, Nov. 2019
- Big Data Specialist with IBM BigInsights V2.1 ,2016
- EMC Academic Associate, Data Science and Big Data Analytics,2016.
- Participation in the Intel Ideation Workshop –2016.
- Completion of TIEC Capacity Building Program for Universities “InnovEgypt “–2015.

WORK EXPERIENCE

- **Teaching Assistant - Faculty of Computers and Artificial Intelligence, Helwan University (Aug 2018 - Present)**

- Teaching many courses as:
 - Software Quality Assurance (ISTQB, and Test Automation)
 - Introduction to Database 1 (SQL Language using DBMS: Microsoft SQL Server)
 - Project Management (Microsoft Project Management tool)
 - Management Information Systems (Microsoft Power BI: Data Visualization tool)
 - Introduction to Information Systems (Python Language)
 - Introduction to Information Technology (Web Design)

- **Researcher in the field of Software Engineering, Software security, Artificial intelligence, and Deep Learning (Aug 2018 - Present)**

- **Google Scholar Account:**

<https://scholar.google.com/citations?hl=en&user=D3XJu5gAAAAJ>

EDUCATION

- Master's degree in information systems, Helwan University, Aug. 2024.
- Bachelor's degree in computer science Helwan University, Information Systems Department, Class of 2016, Grade: Excellent With honor degree, GPA: 3.56.

LANGUAGES

Arabic – Mother language

English – professional proficiency (speaking, reading, writing)

	الاسم	آية الرحمن كمال الدين رمضان على
	Name	Aya El-Rahman Kamal El-Deen Ramadan Ali
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	الوظيفة الحالية وجهة العمل	مدرس مساعد – كلية الحاسبات والذكاء الاصطناعي – جامعة حلوان
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	السيرة الذاتية	مرفقة

	<ol style="list-style-type: none"> 1- DB-CBIL: A DistilBert-Based Transformer Hybrid Model Using CNN and BiLSTM for Software Vulnerability Detection: https://ieeexplore.ieee.org/document/10517582 2- A systematic literature review on software vulnerability detection using machine learning approaches: https://fcihib.journals.ekb.eg/article_214737.html?lang=en 	الأبحاث المنشورة
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