

Electrical and Computer Science Engineer, working on Master Sc. in CS. Deep understanding of various Cyber Security concepts including cryptography, networks security, Artificial Intelligence, Software Engineering, Distributed Systems, and Complex Computational Algorithms. Thesis work focuses on developing a novel Anomaly Detection System based on Digital-twin and Blockchain for Cyber-physical Systems using Machine Learning techniques. Strong practical in PLC, SCADA, DCS and CPS Security.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Cairo

EDUCATION

- : B. Sc. in Electrical Engineering, Alexandria University, 2011
- : Diploma of Computer Science, Arab Academy for Science Technology & Maritime Transport, 2022
- : Master of Computer Science (in progress) (since Mar. 2022), Arab Academy for Science Technology & Maritime Transport

LANGUAGES

Arabic : Native Language
English : Fluent
German : B2

COMPUTER SKILLS

- : Java, C#, Python, Javascript, C, C++, PHP, SQL
- : Software Engineering
- : Embedded Systems
- : PLC and SCADA Programming
- : Software Development
- : IT-OT Networks Cybersecurity
- : Artificial Intelligence
- : Digital Twins
- : Cyber-physical Systems Security and Privacy
- : Industrial Automation

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2020 till now
Employer : ROSHD Technologies, Egypt
Job title : IT / OT Cybersecurity Consultant
Job Description : Technical services provider of advanced technological systems based on industry 4.0, including Software Development, Networks Security, and Industrial Automation including PLC and SCADA Systems.

Dates : From Sep. 2018 till Aug. 2020
Employer : Gulf Automation Systems "SIEMENS Partner", Kuwait
Job title : Senior Control Systems Engineer
Job Description : "Certified System Integrator" for Design, Installation, Testing and Commissioning of Siemens Industrial Automation Systems, PCS 7, PLCs, SCADA, RTUs, and Industrial Networks Security.

Dates : From Feb. 2014 till Jul. 2018
Employer : Alkhonani General Trading & Cont. Company, Kuwait.
Job title : Automation & Electrical Engineer
Job Description : Electrical, Automation, Instrumentation Works in Projects such as Medium and Low Voltage Networks, Major/Sub- Power Stations, Water Towers, Electro-Mechanical Projects.

Dates : From Feb. 2013 till Jan. 2014
Employer : Electric Technology "SIEMENS Partner", Egypt
Job title : Industrial Automation Engineer
Job Description : Automatic Control Systems Design and programming of all SIEMENS Automation PLCs, SCADA Systems, HMI, DCS, Industrial Networks, Remote and Wireless Control.