

Ahmed Amin Abd El-Fattah

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Education:

- **9 Months Professional Training Diploma in Industrial Automation:** Information Technology Institute (ITI), Smart Village Branch (October 2018 – June 2019)
Courses URL: <http://41.33.119.73/Admission/PTPprogram/intake39/AUTOtrack>
- **Bachelor Degree of Electrical Engineering:** Ain-Shams University, Faculty of Engineering, Cairo. (2013 - 2018)
Major: Electrical Power & Machines **Grade:** Very Good
Graduation Project: Performance Enhancement of PV Power systems **Grade:** Excellent
 - Scientific Research Paper about applying Grasshopper Optimization Algorithm in modelling of PV systems

Technical Skills

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|--|------------------------|------------------------------|
| • SCADA (Citect Studio, TIA Portal, TopKapi) | • C# | • Python Programming |
| • PLC (Unity Pro, Somachine) | • C Programming | • SQL Queries (Postgres SQL) |
| • Matlab & Simulink | • HMI (Vijeo Designer) | • HTML & CSS |

Professional Experience:

- **System Engineer**, SCADA and Smart Meters, Giza Systems, Cairo. (September 2020 - Present)
 - HASSA Irrigation project “Telemetry Solution” (Site, KSA):
 1. Commissioning and Troubleshooting over 100 Schneider Electric RTUs
 2. Commissioning and Troubleshooting The Pumping Station PLC (Modicon M340) and SCADA (Clear SCADA)
 - MAHALA Waste Water Treatment Plant (Site, Egypt)
 1. Commissioning and Troubleshooting for 7 Modicon M340 PLC Panels
 2. Commissioning and Troubleshooting for Main SCADA “Citect Studio 2015”
- **Junior System Engineer**, SCADA and Smart Meters, Giza Systems, Cairo. (July 2019 – September 2020)
 - JIZAN Water Treatment Plant project (Back Office Egypt)
 1. Creating PLC program for 5 panels M221 using Somachine Basic Software
 2. Creating SCADA system on Citect Studio 2016
 3. Creating HMI for 5 panels using Vijeo Designer Software
 - ABHA Pumping Station (Back Office Egypt)
 1. Creating PLC program for 4 panels Modicon M340 using Unity Pro software
 2. Creating SCADA system using TopKapi Software
 - ALTAIF project (Back Office, Egypt)
 1. Editing and modifying SCADA project on Siemens TIA Portal Software
- **Automation Trainee**, Oil & Gas Dept., Schneider Electric, EEC New Maadi, Cairo. (May 2019 - July 2019)
 - Shedgum Oil Field Upgrade Project (Back office Egypt), Testing of displays of WonderWare Software

Courses:

- **The Web Developer Bootcamp 2021, Udemy (in Progress)**
 - Course Link: <https://www.udemy.com/course/the-web-developer-bootcamp/>
- **Web Scrapping with BeautifulSoup, FreeCodeCamp**
- **The Complete SQL Bootcamp 2021: Go from Zero to Hero, UDEMY**
 - Course Link: <https://www.udemy.com/course/the-complete-sql-bootcamp/>
 - Course Certificate: <https://udemy-certificate.s3.amazonaws.com/pdf/UC-416a65cd-151b-41b6-959b-e610dee51119.pdf>
- **Egypt FWD Initiative Data Analysis Advanced Track, Udacity & ITIDA (October 2020)**
 - Course Certificate: <https://graduation-api.udacity.com/api/certificate/PYKKXNGA/download>
- **Python for Data Science and Machine Learning Bootcamp, Udemy (June 2018)**
 - Course Link: <https://www.udemy.com/course/python-for-data-science-and-machine-learning-bootcamp/>
 - Course Certificate: <https://udemy-certificate.s3.amazonaws.com/pdf/UC-d73f6499-41cf-46d6-b445-5f075c7f87ce.pdf>
- **AI Programming with Python NanoDegree, Udacity (May 2020)**
 - Course Link: <https://www.udacity.com/course/ai-programming-python-nanodegree--nd089>
 - Course Certificate: <https://graduation-api.udacity.com/api/certificate/GUMNTJN2/download>
- **Data Analysis Track, Udacity Million Arab Coders Track (2020)**
 - Course Certificate: <https://s3-us-west-2.amazonaws.com/udacity-printer/production/certificates/f6ad75f2-8027-4132-9a5e-df0e9fc9c5eb.pdf>
- **Introduction to Data Analysis using Excel by RICE University, Online Coursera certified course. (2018)**
 - Course Certificate: <https://www.coursera.org/account/accomplishments/certificate/VM7JD7NTB375>

Language Skills

- Arabic: Native Speaker
- English: Excellent
- German: Basic “Acquired Level B1 at from Agyptisch-Deutsches Kulturzentrum, November 2015

Extra-curricular activities:

- **Project Management Head, MECA Student Activity, Faculty of Engineering Ain-Shams University. (August 2017- March 2018)**
- **Operations Committee Member, MECA Student Activity, Faculty of Engineering Ain-Shams University. (September 2016- August 2017)**
- **Marketing & Sales Participant, P&G Commercial Competition, Cairo University, (July 2017)**

Personal Information:

Military Status: Exempted