

Mohamed Ahmed Gomaa

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ABOUT

I am a skilled **Production Engineer** with a strong foundation in computer science. My academic background includes a Bachelor's degree in Production Engineering from Alexandria University and a Diploma in Computer Science from Alexandria Technical College. Currently, I am honing my skills in software testing as part of the Digital Egypt Pioneers Initiative (**DEPI**), while serving as an **IT Executive Engineer** at Zahran Market Management. In this role, I oversee IT operations across 22 branches, demonstrating my ability to manage complex systems and teams effectively. My technical expertise in programming languages and software, coupled with my hands-on experience in managing IT infrastructure, positions me well for a career in computer science and programming.

EDUCATION

Production Engineer | Good | Alexandria University | Egypt | 2022

- Excellent Graduation Project

Computer Science and Networks | Excellent | Alexandria Technical College | Egypt | 2016

- Visual basic - Assembly Language - MS Access SQL Database - MS Office - Cybersecurity - Computer Troubleshooting - CCNA Cisco

GRADUATION PROJECT

Fraction Stir Welding [FSW] | Graduation Project | 2022

- Developed and validated Abaqus models of friction stir welding processes. Analyzed the results of Abaqus **simulations** Software to improve the quality and efficiency of friction stir welding operations. Operated a friction stir welding **machine** to weld Aluminum similar materials.

EXPERIENCE & TRAINING

IT Executive Engineer | Zahran Market | 23 August 2024 – NOW

- Solving IT Helpdesk Problems through Manage Engine – Monitoring Networks Through PRTG Monitoring Tool – Created My own software for automation for any repeated task for productivity and efficiency – Supporting ERP MS Dynamics Nav System – Visiting 22 branches for PM or Protective Maintenance also for urgent problems – Troubleshooting Canon and Receipt Printers.

Branch Manager | Turbo EG Shipping | 11 August 2024 – 17 August 2024

- Managing the branch's operational process through the framework system - Receiving Daily pickup – Receiving Returns or Cash from the representatives – Supplying the cash to accounts through banks – organizing the inventory to ensure there are not lost – hiring representatives.

Production Engineer Training | Tersana Shipyard (AYS) | Alexandria | September 2021 - September 2021

- Workplace Safety - Firefighting - Workshops - Fiber glass - Machinery Repair - Welding - Hull Assembly

Production Engineer Training | Titan Cement Egypt (TCE) | Alexandria | August 2021 - September 2021

- Health & Safety - Green Economy - Cement industry process - finance for non-financial - Team Leadership - Communication

Production Engineer Training | Egyptian Copper Works | Alexandria | July 2021 - July 2021

- Casting stages of copper - Rolling - Drawing - Extrusion - Workplace safety

Software and Programming | Freelancer | Remote | 2017 - 2019

- Frontend - Mobile Android Applications [JAVA] - Software Testing - Python Selenium - Gaming Security - Excel Data Analysis – Database - Marketing - Video Editor – Photoshop – Teaching – Websites Administration.

CERTIFICATION

Database Fundamentals | Information Technology Institute (ITI) | August 2024

SQL – Data Manipulation – ERD – Normalization

Lean manufacturing | Alexandria Engineering Syndicate | August 2024

Eliminate Waste – VSM – 5S – OEE – Kaizen – PDCA – Pareto Chart – 5Whys – Fishbone Diagram – Jidoka – PokaYoka - JIT

5 Classic NDT Methods Certifications | EGAC Academy [ASNT] | MAY 2024

- Visual Inspection (Level I / II) VT • Liquid Penetrant Tests (Level I / II) PT • Magnetic Particles Tests (Level I / II) MT
- Radiographic Testing (Level I / II) RT • Ultrasonic Testing (Level I / II) UT

Six Sigma Principles | Coursera [University System of Georgia] | March 2024

- Process Improvement – Root Cause Analysis – Fishbone Diagram – Control Chart – DMAIC - DMADV

Data Analysis | Coursera [Google] | March 2024

- Spreadsheet - Data Analysis - Data Visualization - Data Cleaning -SQL

3D Printing Course from Zero to Hero | 3D Speed Company | Alexandria | JAN 2024

- Design - FDM Machines SP2 & SP3 - Solving Coffee Cup hand broken problem

[CSWA] ASSOCIATE Mechanical Designer | SolidWorks Company | 2022

- International Certification for mechanical design using SolidWorks.

Supply Chain Management Course | UCCD - American Chamber of Commerce in Egypt | 2021

- Supply Chain Optimization - Supply Chain Management

SKILLS

Language Skills: English: Excellent (B1.2)

Technical Skills: Lean 6 Sigma, Root Cause Analysis, Planning Skills, Automation, Scripting Languages, Problem Solving, Troubleshooting.

Computer Skills: SolidWorks, Abaqus Simulation, MS-Office, SQL Server, Front End Web, C# Windows Programs, C, Java, CCNA, Linux, Burp Suite API Testing, ERP System Microsoft Dynamics Nav.