# Omar Essam El-Din Mohamed

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# Professional Summary

A versatile Project Management Information Systems (PMIS) Engineer with extensive experience in construction, civil engineering, and data engineering. Proven expertise in project control, programming, and data science, with a strong ability to automate tasks and optimize workflows. Dedicated to delivering efficient solutions under tight deadlines and improving team performance.

# Education

Cairo University

Bachelor of Science in Civil Engineering, May 2013

- Overall Grade: Good (C)

- Project Grade: Excellent (A)

- Graduation Project: Steel Bridges Design

Orouba Language School

- Graduation Score: 98.9% (405.5/410)

# Professional Experience

## Programming and Data Engineering Experience

**Data Engineer Lead | Rowad Modern Engineering (Aug 2024 – Present)**

- Established a data warehouse team and integrated data sources for improved reporting.

**Data Scientist | Rowad Modern Engineering (Mar 2024 – Jul 2024)**

- Developed machine learning models for cash flow predictions.

**Senior Data Engineer | Rowad Modern Engineering (Apr 2023 – Dec 2023)**

- Automated repetitive tasks using Python, saving significant resource hours.

**IT Networking / Data Engineer | Rowad Modern Engineering (Jan 2023 – Present)**

- Maintained SQL and MySQL databases, ensuring seamless data access and storage.

**Co-Owner | Cyber Cafe (2009 – 2011)**

- Managed hardware and networking for all systems.

## Construction and Civil Engineering Experience

**Project Control Section Head | Rowad Modern Engineering, Bridges Sector (Sep 2021 – May 2023)**

- Managed the project control team for bridge projects. Streamlined cost and schedule reporting processes. Enhanced coordination between construction and planning teams.

**Senior Project Control Engineer | Rowad Modern Engineering, Head Office (Jan 2019 – Aug 2021)**

- Oversaw multiple project schedules and cost control measures. Delivered periodic project performance reports to stakeholders.

**Project Control Engineer | Rowad Modern Engineering (Apr 2018 – Dec 2018)**

- Worked on major infrastructure projects including Nefisha Bridge and El Sokhna Tunnel.

**Tendering Engineer | Rowad Modern Engineering, Tender Department (Jan 2018 – Mar 2018)**

- Evaluated project tenders for technical and financial feasibility.

**Planning/Cost Control Engineer | Concrete Plus (Apr 2015 – Jan 2018)**

- Coordinated cost control for multiple projects from the head office.

**Site Engineer | Concrete Plus, Porto October Project (Apr 2014 – Mar 2015)**

- Supervised on-site construction activities, ensuring compliance with design specifications.

# Key Skills

- Technical Tools: Primavera P6, MS Project, Synchro, Revit, Navisworks, Power BI, AutoCAD

- Programming: Python, SQL, Java, C++ (familiar), C# (familiar)

- Data Engineering: ETL pipelines, Airflow, Spark, ERP systems

- Software: Microsoft Office (expert in Excel), Adobe Photoshop, Illustrator, After Effects

- Construction Expertise: Cost control, tender evaluation, risk management

- Languages: Arabic (Native), English (Fluent)

# Certifications

- Certified Data Scientist Professional (Epsilon AI)

- Primavera P6

- Python Programming

- PMP Certification

- CCNA and CCNP Networking

- Steel Bridges Design