# Omar Essam El-Din Mohamed

Zahraa El Maadi, Cairo, Egypt

Phone: (+2) 01004819774

Email: eng.omar.e@gmail.com

## 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