

# MAHMOUD ALI - DATA ANALYST

Dallas, TX • (315)-489-2570 • mahmoud.i.ali@outlook.com • [www.linkedin.com/in/mahmoudiali](http://www.linkedin.com/in/mahmoudiali)

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Analytical-minded engineer with a strong foundation in data analytics, data visualization, and business intelligence. Eager to combine my technical background with statistical analysis to contribute to data-driven organization. Proficient in Excel, SQL, Tableau, & Python.

## PROFESSIONAL EXPERIENCE

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### Powertrain Maintenance Lead

SEPTEMBER 2020 – Present

US Army

NY

- Applied data analytics to monitor and examine recurring powertrain issues, allowing for focused maintenance and minimizing aircraft downtime.
- Led team operations by leveraging data-driven insights to optimize maintenance processes and enhance overall efficiency.
- Performed trend analysis and root cause investigations to enhance maintenance planning and increase equipment reliability.

### Production Planning Engineer

SEPTEMBER 2016 – October 2019

Gandour

Jeddah, KSA

- Analyzed safety data to identify risks, successfully reducing hazards through effective mitigation actions.
- Mentored engineers using performance metrics, fostering their professional development and enhancing team performance.
- Communicated Production KPIs effectively & quickly with stakeholders via emails & presentations.

### Production Engineer

DECEMBER 2014 – August 2016

Edita

Cairo, EGY

- Analyzed production data to generate actionable insights, optimizing efficiency and reducing downtime.
- Collaborated with maintenance teams to prevent production disruptions through data-driven recommendations.
- Monitored waste and scrap rates, conducting root cause analysis to suggest effective reduction strategies.

## EDUCATION

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### Bachelor of Aeronautical Engineering

CAIRO, EGYPT

Cairo University

2013

## SKILLS & PROJECTS

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**Skills:** Data Analysis, Excel, SQL, Tableau, Power BI, Python, R, Data Visualization, Dashboards, Stats

**Excel Project:** Analyzed 2000+ customers across 6 different marketing campaigns.

**Tableau Project:** Created dashboard evaluating 1.8k schools performance across 100's of features.

**SQL Project:** Data mined 1.2M real bank transactions to find financial outliers, patterns, & trends.

**MySQL Project:** Created report highlighting operational differences in 101k healthcare patients.