

# AHMAD W. AL-OMARI

MSc. in Electrical Power Engineering | Jordanian | November 1994

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## Summary

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Data scientist and data analyst with a strong background in electrical power engineering. Skilled in Python, data analysis, visualization, and machine learning. Dedicated to applying data-driven insights to help organizations make informed decisions and drive innovation. Seeking roles in data science, data analysis, or machine learning.

## EDUCATION

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**University of Jordan (Amman, Jordan) – Master of Science (MSc.), Electrical Power Engineering** (Class of 2023) – Thesis title: “A Fast Protection Scheme for VSC-HVDC System”.

Supervisor: Dr.Mohammad Haj-Ahmad – (m.hajahmed@ju.edu.jo).

**Yarmouk University (Irbid, Jordan) – Hijawi Faculty for Engineering Technology, Bachelor of Science (B.Sc.), Electrical Power Engineering** (Class of 2017) – 5 Years Program including a thesis and a 6-months industry placement.

## RELEVANT EXPERIENCE

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### Orange Coding Academy – Amman, Jordan

*Data Science Trainee* – (August 2023 – October 2023)

- Executed a comprehensive data science project, encompassing data analysis, visualization, cleaning, feature engineering, and extraction, resulting in improved model performance.
- Demonstrated proficiency in building, optimizing, and evaluating diverse machine learning models, effectively selecting the most suitable ones for specific tasks.
- Acquired expertise in a range of data science tools and technologies, including Python, NumPy, Pandas, Scikit Learn, and more.
- Applied statistical analysis, hypothesis testing, and exploratory data analysis techniques to derive insights from complex datasets.
- Developed a strong foundation in data science principles, ready to provide data-driven solutions to complex business challenges.

### Jordan Atomic Energy Commission – Amman, Jordan

*Project: SESAME - 7 MWp*

*Solar Engineer* – (December 2017 - December 2018)

- Oversaw contractor works to ensure it met project standards.
- Checked that solar structures and modules were correctly installed.
- Inspected electrical wiring, including DC and AC connections, as well as inverters.

### Al Fara'a Group – Al-Ain, UAE

*Project: Advanced Military Maintenance Repair and Overhaul Center.*

*Intern* – (March 2017 – June 2017)

- Checked contractor's work to ensure compliance with contract plans, specifications, and approved drawings.
- Supported the site team in implementing quality management systems.
- Inspected electrical wiring and distribution board installation.
- Reported electrical work-related issues to the resident engineer.

## VOLUNTEER

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### Yarmouk Engineering Students (YES) – Irbid, Jordan

(November 2014 – March 2017)

- Gained time management skills, communication skills and team working skills by cooperating with a team of students to organize electrical engineering lectures and workshops that help hundreds of students.

## ORGANIZATIONS

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- Jordan Engineering Association**  
(2017 to Present).

- IEEE Yarmouk University - Student Branch**  
(September 2013 to September 2017)

## SKILLS/INTERESTS

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### Skills/Research Interests

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|------------------------------------|-----------------------|--|
| - Matlab                           | - ETAP                | - Python   |
| - LaTeX                            | - SketchUp            | - (NumPy, Pandas, Scikit-Learn,<br>Matplotlib, Seaborn, flask) |
| - Matlab/Simulink                  | - Microsoft Office    | - HTML & CSS   |
| - PVSYST                           | - AutoCAD             |  |
| <br>                               |                       |  |
| - Research & Rapid Problem-Solving | - Attention to Detail | - Adaptability   |
| - Fast Learning                    | - Critical Thinking   | - Time Management  |
| - Communication                    | - Continuous Learning |  |
| - Resilience                       | - Teamwork            |  |

**Research interests:** Power system protection, high voltage, power electronics, and Machine Learning.

### Languages:

Arabic - Native  
English – Fluent

### Personal Interests:

Graphic design, sport, and reading.