

AHMED ALGHUMGHAM

ELECTRICAL ENGINEER

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Education

B.AS. in Electrical Engineering | 2018-2024

King Fahd University of Petroleum and Minerals | Saudi Arabia, Dhahran.

- Cumulative GPA 3.552 out of 4.000
- Awarded second honor

Experience

Coop training in Saudi Aramco, Ras Tanura. Jan 2023 - Aug 2023

Terminal department -Technical Support Unit (TSU) - Electrical Engineer

- **Created Arc Flash Labels** — Reduced human error by creating new labels for low-voltage equipment and updating existing labels to comply with current standards.
- **Updated Electrical Diagrams** — Improved work efficiency by modifying one-line diagrams to reflect actual field conditions.
- **Developed Contingency Plan** — Created a load impact list in case the power source was shut down.
- **Co-Coordinator for an Arc Flash Study Project** — Organized and scheduled meetings and site visits, reviewed the results, and shared them with Aramco.
- **Equipment Procurement** — Contacted vendors to obtain quotations for equipment purchases.

Graduation Project: Jan 2024 - May 2024

Two Layers Object Recognition Surveillance Drone

- **Benchmarking Competitors** — Identified which area should be focused on and would differentiate the project from other similar ones by analyzing drone specialist sites and discussing with industry experts.
- **Project Manager** — Ensured all reports were submitted on time and followed the required format, and met all specifications, which contributed to the team scoring 20% above the average grade.
- **Two-Layers Object Recognition Surveillance Drone** — Implemented an optimized object recognition method, which reduced the cost by 69% and the energy consumption by 50%.

Skills & abilities

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| ● Proficient in MATLAB | ● Proficient in English (speaking and writing) |
| ● Native Arabic speaker | ● Strong verbal and written communication skills |
| ● Collaborative team player with solid interpersonal skills | ● Effective problem-solving and critical thinking abilities |

References

Available upon request