







Osama Maher Alrifai

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 portfolio website  GitHub

PROFILE

Recent Electrical and Computer Engineering graduate from King Abdulaziz University with a strong interest in building innovative software solutions and passion for computing technologies, software algorithms, network architectures, cloud computing, and artificial intelligence applications. Eager to contribute to shaping the future of technology.

EDUCATION

King Abdulaziz University

B.S in Electrical and Computer Engineering

Sep 2018 – Jan 2025

Jeddah, Saudi Arabia

PROFESSIONAL EXPERIENCE

Saudi Electricity Company (SEC)

Feb 2024 – Sep 2024

Cooperative Trainee – Database Department

- Applied SQL programming for data extraction, analysis, and validation.
- Developed and designed reports using Visual Studio Report Server.
- Collaborated with teams to improve data accuracy and reporting processes.

PROJECTS

PDF Image to CSV Converter

- Built a system to extract data from PDF images using Amazon Textract, OpenCV, and Fitz (PyMuPDF).
- Designed an intuitive GUI for non-technical users, enhancing accessibility and user experience.
- Implemented advanced preprocessing techniques, including grayscale conversion and thresholding, to improve OCR performance.
- Validated system performance through comprehensive experiments, ensuring accuracy, efficiency, and error handling.

SKILLS

- **Technical Skills:** SQL, Report Development (Visual Studio), Database Management, Python language, C language, SolidWorks, JAVA language, Linux, Git, JavaScript, CSS, HTML, Web programming, Networking, Machine learning
- **Soft Skills:** Problem-Solving, Team Collaboration, Time Management and multitasking, Fast learning

CERTIFICATES

SQL for Data Science  — Coursera

CS50's Introduction to Databases with SQL  — Harvard

Networking Essentials — Cisco Networking Academy

Linux Essentials — Cisco Networking Academy

CS50's Introduction to Artificial Intelligence with Python  — Harvard

CS50's Introduction to Computer Science  — Harvard

Google IT Automation with Python  — Coursera

Google IT Support — Coursera

Machine Learning — Coursera