

Reem Alsharabi

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EDUCATION

Effat University

Jeddah, Saudi Arabia

BSc in Computer Science

2020 – present

- GPA: 3.94 out of 4
- Dean's List for 4 consecutive semesters.
- Albanawi List of academic excellence.

EXPERIENCE

Research Assistant

Oct 2022 – Dec 2022

Effat University - ECE department

Jeddah, Saudi Arabia

- Developed a predictive ML model for OLED lifetime.
- Achieved a 98% reduction in RMSE from 5 years to 20 days (5 to 0.06)

Peer Tutor

Sept 2021 – February 2022

Effat University

Jeddah, Saudi Arabia

- Provided group tutoring to students and explained statistics, mathematics, and data structures.
- Performed administration duties with the dean of Effat College of Engineering.

COURSES

KAUST Academy

- Completed a comprehensive course on artificial intelligence with an emphasis on supervised learning including classical ML techniques and introduction to deep learning.

PROJECTS

SignLSTM | *Python, Keras, Mediapipe*

- Real-time sign language gesture detection system using video/webcam.

reponav | *Python*

- Python package that allows you to navigate the contents of GitHub repositories easily.
- Given a repository name or URL, reponav will print out a tree-like structure of the repository's contents, including directories and files.

QR generator | *JavaScript*

- A tool that generates QR codes from URLs in real-time and allows users to save the image.

Word Game | *React, Nodejs*

- Built a game that fetches data from an API based on the chosen level of difficulty.
- The game keeps track of questions answered to add or deduct points depending on the correctness of the answer.
- Secured API keys using Nodejs.

Movie Rating System | *Java, Swing, MySQL*

- Developed a system that provides information about movies and their cast and crew.
- The system allows users to create an account to review the movies.
- Admin credentials, and graphical user interface.

School Management System | *C++, Makefile*

- Developed a program to manage the data for a school with students and courses.
- Implemented the program using objects from the different classes, based on a UML class diagram.

Numerical Methods | *MATLAB*

- Implemented some of the numerical solutions for non-linear equations.
- Algebraic equations: Bisection, Newton, and Secant methods.
- Differential equations: Euler, Taylor, and Runge-Kutta methods.

TECHNICAL SKILLS

Java, C/C++, Python, TensorFlow, PyTorch, MATLAB, SQL, ASP.NET, Git