Hour Alhejress Computer Science student

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SUMMARY

Computer Science student at Qassim University, expected to graduate in 2027, with a strong foundation in programming, data structures, algorithms, and software engineering. Experienced in academic projects using Java, Python, C++, databases, and basic machine learning techniques. Seeking a Summer Internship to apply my technical and problem-solving skills in real-world projects.

EDUCATION

Bachelor of Computer Science — Qassim University (Expected Graduation: 2027)

TECHNICAL SKILLS

- Programming Languages: Java, Python, C++
- Databases: SQL, SQLite, NoSQL (Firebase Firestore), Firebase Authentication
- Machine Learning: Logistic Regression, Random Forest, Classification, Data Analysis
- Tools and Technologies: GitHub, Microsoft Office, Matplotlib, Seaborn
- Computer Science Concepts: Data Structures, Algorithms, Object-Oriented Programming, Software Engineering, System Analysis
- Web Development: HTML, CSS, JavaScript

PROJECTS

- Aircraft Runway Scheduling System: Designed an optimized runway scheduling algorithm using Priority Queue while considering flight priority, runway availability, and safety constraints.

- Aircraft Scheduling Using Naive and Optimized Algorithms: Developed a scheduling system to reduce runway congestion and waiting time through algorithm optimization.

- Heart Disease Prediction Using Machine Learning: Built predictive models using Logistic Regression and Random Forest after data preprocessing and feature engineering.

- Hospital Management System: Developed a Java and SQLite-based system with role-based authentication, appointment scheduling, and report generation.

- Saudi Green Project: Applied software requirements engineering and system analysis concepts to a sustainability-focused project.

- To-Do List Application: Implemented a task management application using Single Linked List with add, update, search, display, and delete operations.

- Personal Portfolio Website: Designed and developed a personal portfolio website using HTML, CSS, and JavaScript. Published via GitHub Pages.

- LinguaTrack – Smart Speaking Trainer: Web application that evaluates spoken language using speech recognition and stores user performance analytics securely with Firebase (Authentication & Firestore).

LANGUAGES

- Arabic (Native)
- English (Fluent)
- Turkish (Advanced)