

Naif Alshalan

Recent Software Engineering Graduate

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OBJECTIVE

Fresh Software Engineering graduate from KFUPM with experience in software development, database design, and web based systems. Strong problem solving and teamwork skills gained through academic projects and internship experience. Passionate about technology and eager to contribute, learn, and grow in a professional environment.

EDUCATION

Bachelor of Science - Computer Software Engineering, 08/2020 – 05/2026
King Fahd University of Petroleum and Minerals Dhahran

EXPERIENCE

Khafji Joint Operations (KJO), Software Engineering Trainee 06/2025 – 08/2025
Al-Khafji

- Developed a web-based trainee registration system with responsive forms and input validation.
- Designed the database structure and ER model to organize trainee applications and status tracking.
- Worked with TDD and ITD teams to gather requirements, test features, and prepare the system for backend integration.

PROJECTS

Smart Assistive Walking Cane for Visually Impaired Users — Senior Capstone 🔗, 08/2025 – 05/2026
Python, Raspberry Pi, ESP32, BLE, Voice Recognition, Embedded Software

- Contributed to the software design and embedded integration of a smart assistive cane, implementing real time obstacle alerts, haptic feedback, BLE communication, and voice based user guidance.

Uber Trip Data Analysis & Classification — Big Data Analytics, 01/2026 – 05/2026
Python, Pandas, Scikit learn, Data Visualization, Machine Learning

- Built an end to end analysis pipeline for 1,156 Uber trip records covering data cleaning, feature engineering, visualization, and classification, comparing four ML models with best results of 95.2% accuracy and 0.97 AUC.

KFUPM Market — Full-Stack Web Application 🔗, 01/2025 – 05/2025
React, Node.js, Express, MongoDB, JavaScript

- Built a full stack marketplace for KFUPM students with listings, account, cart, item-detail, and chat features, integrating a React frontend with Node.js/Express APIs and MongoDB.

SKILLS

Programming Language

C, Python, Java, SQL, JavaScript

Web Development

HTML/CSS, React, Next.js, Node.js, APIs

Software Engineering

SDLC, Big Data Analytics, Software Project Management, UX & Usability Engineering, DevSecOps, DB Design

Professional Skills

Critical Thinking, Teamwork, Communication, Problem Solving

LANGUAGES

Arabic — Native/Bilingual

English — Fluent

CERTIFICATES

- Artificial Intelligence Fundamentals** 🔗 — Issuer: IBM SkillsBuild Date: 2026-08
- Cybersecurity Fundamentals** 🔗 — Issuer: IBM SkillsBuild Date: 2026-08
- Data Fundamentals** 🔗 — Issuer: IBM SkillsBuild Date: 2026-08
- Fundamentals of Artificial Intelligence** 🔗 — Issuer: Saudi Data & AI Authority (SDAIA) Date: 2025-09