Abdullah Alshehri

Computer Science Graduate | Software, Data & AI

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SUMMARY

Computer Science graduate (GPA 3.35/4.0) with a 5-month co-op at **Saudi Arabia Railways** building full-stack operations tooling in **React** and **Laravel**. Three-time **first-place** winner: **Venture X 2026** (Cloud & Infrastructure track) with an Arabic AI layer that cut costs by **36%** at the same quality, **Sakanthon 2026** (Financial Solutions track, **350+ teams**), and the Jubail Industrial College **Competitive Programming Contest**. Skilled in **Python**, **LLM APIs**, **REST APIs**, **SQL** and **Power BI**, with NVIDIA training in accelerated computing. Seeking a **junior software, data or AI** role in Riyadh; open to relocation.

EDUCATION

Bachelor of Computer Science, *Jubail Industrial College* 2021 – 2026
GPA: 3.35 / 4.0 Jubail, Saudi Arabia

PROFESSIONAL EXPERIENCE

Saudi Arabia Railways (SAR), *Co-op Trainee, Dammam* 01/2026 – 05/2026

- Built a train operations management system with **React** and **Laravel** to track trips, wagons and cargo, with 6+ data-entry modules, automated workflows and KPI views
- Designed the relational schema and **REST endpoints** between the **React** front end and **Laravel** back end
- Built a 9-page **Power BI** dashboard tracking fleet assets across sites, using **DAX** on daily Excel exports
- Collaborated with the operations team over 5 months, using **Git** for version control

PROJECTS

Harf — Cost-Optimized Arabic AI Layer, *Venture X 2026, 1st Place*

- Built an AI layer that identifies the intent of each Arabic customer-service request and routes it to its most cost-effective safe path: an approved answer, a lightweight model or a large model
- Cut AI cost by **36%** (19.03 to 12.22 SAR per 1,000 questions) at near-identical quality (4.92 vs 4.94 out of 5), measured on 183 Arabic questions through the **OpenAI API**
- Measured the Arabic token premium across 8 tokenizers and shipped a **Python** web prototype

Graduation Project - Diabetic Retinopathy Detection System

- Built, in a team of four, a **convolutional neural network (CNN)** that detects diabetic retinopathy from retinal images with **90%+ accuracy**, supporting early automated screening

Job Radar — Automated Job Alert System

- Built a **Python** service on **GitHub Actions** that queries the JSearch API hourly and alerts on Telegram
- Implemented a five-layer filter with deduplication and a configurable CLI, using only the standard library

CERTIFICATIONS

NVIDIA Deep Learning Institute, *through the SDAIA Academy professional training program*

- Fundamentals of Accelerated Computing with CUDA C++ — Final assessment score: 100/100
- Fundamentals of Accelerated Computing with CUDA Python
- The Art of Compressing LLMs: Pruning, Distillation, and Quantization Demystified

Google – Foundations: Data, Data, Everywhere | Python for Data Analysis: Pandas & NumPy (Coursera)

AWARDS

1st Place, Cloud & Infrastructure Track — Venture X 2026, *King Saud University* 10/2026

1st Place, Financial Solutions Track — Sakanthon 2026, *Sakan Foundation* (350+ teams) 09/2026

1st Place, Competitive Programming Contest (CPC), *Computer Club, Jubail Industrial College* 03/2024

SKILLS

• Python	• LLM APIs (OpenAI)	• NLP	• Deep Learning	• CUDA
• React	• Laravel	• REST APIs	• Full-Stack Web	• Responsive UI/UX
• SQL & Databases	• Pandas & NumPy	• Power BI & DAX	• Git & GitHub	• GitHub Actions

LANGUAGES

Arabic — Native language **English** — Professional proficiency (STEP 82%)