

Khalid Abdullah Al Dosari

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Summary

Senior computer science student and Tuwaiq Academy alumnus focusing on applied data science, AI Engineering, and MLOps. Experienced in building end-to-end solutions built with python, machine learning, deep learning, RAG, LLMs, generative AI, and agentic workflows, with a proven track record in building scalable, production-ready systems that turn raw data into actionable insights and real-world impact. Currently pursuing an internship to gain hands-on experience.

Education

- Building and Developing AI Models Bootcamp, *Tuwaiq Academy***06/2026 – Present
Riyadh, Saudi Arabia
- Built a strong foundation in **AI, machine learning** and **deep learning** by covering data handling and **deep learning** applications in computer vision and NLP using **TensorFlow**, **PyTorch**, and **Hugging Face Transformers**. Also Learned cloud based AI services on AWS and Azure, along with **MLOps** essentials such as **Docker** and **Git** for managing the model lifecycle.
- Bachelor’s degree, Computer Science, *Imam Mohammad bin Saud Islamic University***08/2021 – Present
Riyadh, Saudi Arabia
- Built a strong foundation in **software engineering, machine learning**, and **artificial intelligence**, applied directly to deployed projects.
 - Media & Design Lead** at the Student Advisory Council and volunteer at Tuwaiq Club, Google Developers Students Club and Information Security Club.

Skills

- Soft Skills:** Leadership | Project Management | Teamwork | Communication Skills | Problem Solving
- Technical Skills:** Data Science | Accelerated Data Science | Machine Learning | Deep Learning | Computer Vision | MLOps | AutoML | Natural Language Processing (NLP) | RAG | Prompt Engineering | Generative AI | Transformers | Agentic Workflows | AI-Native Engineering | Python | CNNs | RNNs | LLMs | CUDA | Reinforcement Learning | LangChain | LangGraph | FastAPI | RestAPI | PyTorch | TensorFlow | SQL | Java | Spring Boot | Maven | Next.js | React | JavaScript | TypeScript | Docker | MongoDB | PostgreSQL | MySQL | Modal | Cloudflare Framework | GitHub | Power BI | Microsoft Excel

Projects

- Namtheg - Agentic AutoML Platform** 🌐
Developed an end-to-end **agentic automated machine learning** pipeline leveraging **Python, LangChain, FastAPI, Next.js, Modal, React** and **TypeScript**; built a full **MLOps stack** enabling users to upload raw datasets, train custom models, and deploy production-ready cloud APIs via Modal.
- Nusuk - Agentic Elective Courses Recommender** 🌐
Designed an **agentic** recommendation system with **python, Node.js, MongoDB** and **JavaScript** that parses PDF/text academic transcripts and maps historical grade distributions, therefore increasing recommendation alignment based on user-specific academic history.
- 3ajib - AI Powered Experience Intelligence** 🌐
Developed an **AI-powered** tourism analytics platform for the PwC Empowerthon, securing 4th place out of 11 teams. Integrated a bilingual AI demo, ROI calculator, and analytics dashboard using **React, TypeScript, Supabase** and **JavaScript**.
- N-Queens CSP** 🌐
Implemented and compared **Backtracking, Forward Checking**, and **Maintaining Arc Consistency (MAC)** algorithms with **Java, Spring Boot** and **Maven** to solve complex Constraint Satisfaction Problems (CSPs).

Leadership & Experience

Media and Design Lead, *Student Advisory Council*

09/2025 – Present

- Managed team efforts by leading meetings, assigning tasks, reviewing performance and setting goals.

Part Time Zone Manager, *THA Staffing*

01/2026 – 05/2026

- Supervised teams of up to 25 members in several critical and prestigious events and conferences for multiple government and private entities.

Part Time Team Supervisor, *Webook*

10/2024 – 11/2025

- Supervised teams of up to 30 members during high-traffic events and conferences.

Languages

- Arabic
- English

Certificates

Rapid Application Development with LLMs [🔗](#)

NVIDIA

Building LLM Applications With Prompt Engineering [🔗](#)

NVIDIA

Accelerating End-to-End Data Science Workflows [🔗](#)

NVIDIA

Introduction to Transformer-Based Natural Language Processing [🔗](#)

NVIDIA

Getting Started with Deep Learning [🔗](#)

NVIDIA

AI-Native Engineering [🔗](#)

Tuwaiq Club

Supervised Machine Learning: Regression and Classification [🔗](#)

DeepLearning.AI

Introduction to Data Science in Python [🔗](#)

University of Michigan

Data Science Bootcamp [🔗](#)

OSS Vision Community

Calculus for Machine Learning and Data Science [🔗](#)

DeepLearning.AI

Python Programming [🔗](#)

Ministry of Communications and Information Technology (MCIT)