

ABDULELAH ALKHATHAMI

Junior AI Engineer | NLP, LLMs, Cloud AI & Intelligent Systems

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PROFESSIONAL SUMMARY

Junior AI Engineer and Information Systems graduate with hands-on experience building AI-powered systems across education, legal tech, fintech, sustainability, and digital security. Skilled in NLP, LLM-based applications, machine learning, cloud deployment, Azure AI Services, and Google Cloud services including Cloud Run, BigQuery, Cloud Storage, and Vertex AI. Led the development of ChatUB, a local AI academic assistant for University of Bisha, and contributed to hackathon projects focused on urban thermal comfort and proactive government digital security. Passionate about building reliable, scalable, and privacy-aware AI solutions that solve real-world problems.

CORE SKILLS

AI & Machine Learning: Machine Learning, NLP, Generative AI, LLM Applications, AI Agents, Intelligent Search, AI-Driven Insights, Model Optimization

Cloud & Deployment: Azure AI Services, Google Cloud Run, Vertex AI, BigQuery, Cloud Storage, Model Deployment, Cloud Architecture

Programming & Data: Python, SQL, R Programming, Power BI, Data Visualization, Database Management

Software & Tools: GitHub, Version Control, API Integration, Web Development, Dashboard Design

Professional Skills: Problem Solving, Team Leadership, Communication, Analytical Thinking, Adaptability

PROJECTS

ChatUB - Local AI Academic Assistant | Graduation Project | 2025

- Led the design and development of a local AI academic assistant for University of Bisha students, focused on answering questions from official academic regulations and procedures.
- Designed the system as a privacy-aware local AI solution to improve answer reliability and support potential institutional adoption.
- Applied NLP, intelligent search, and LLM-based response generation to handle student questions with contextual understanding.
- Guided the team across solution design, content structuring, model behavior, and system usability.

Althil - Urban Thermal Comfort Decision-Support Platform | KFUPM x Google Cloud Hackathon | 2026

- Developed a cloud-based decision-support platform to help urban planners identify optimal shade canopy locations based on sun paths, heat exposure, and location data.
- Built and integrated backend services using Google Cloud Run, BigQuery, Cloud Storage, and Vertex AI.
- Contributed to map-based interaction, heat visualization, image analysis, and a conversational agent for explaining insights.
- Focused on backend development, cloud architecture, and connecting analysis services into a deployable prototype.

Absher Insight AI - Proactive Digital Security Platform | Absher Tuwaiq Hackathon | 2025

- Built an AI-driven digital security concept focused on predicting risks before incidents occur in government digital systems.
- Designed a privacy-by-design synthetic data environment to simulate realistic user behavior patterns.
- Applied UEBA-based behavioral analytics to detect anomalies and adapt to changing usage patterns.
- Developed an interactive dashboard to translate predictive insights into decision-support for security teams.

Qanouni - AI Legal Advisor | 2024

- Architected and deployed an AI-powered legal advisor system to help private sector employees understand labor rights.
- Managed AI development lifecycle activities including Azure cloud deployment, data analysis, and model integration.

Medad - Financial Inclusion Banking App | 2025

- Designed a fintech banking application to promote financial inclusion through AI-driven insights and personalized recommendations.
- Created intelligent dashboards, implemented AI analytics, and contributed to scalable platform design.

EDUCATION

University of Bisha

Bachelor of Science in Information Systems | 2026

AWARDS & ACHIEVEMENTS

- Participant - Intelligent Planet Hackathon by KFUPM in collaboration with Google Cloud, developed Althil using Cloud Run, BigQuery, Cloud Storage, and Vertex AI.
- Participant - Absher Tuwaiq Hackathon, contributed to Absher Insight AI for proactive government digital security.
- Ranked Top 30 out of 80+ teams in #AthkaU program by SDAIA & Microsoft.
- Qualified for #AthkaU Hackathon, representing University of Bisha with two AI ideas: Qanouni and Virtual Astronauts.
- Finalist - Innovation Hackathon, Communications and Information Technology Commission (CITC), Saudi Arabia | December 2023.
- Selected Participant - Startup Empowerment Initiative focused on digital marketing, AI, and data analytics.

LANGUAGES

Arabic: Native | English: Fluent