

# ABDULELAH ALKHATHAMI

AI Specialist | AI Solutions, NLP, Data-Driven Insights & Digital Transformation

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## PROFESSIONAL SUMMARY

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AI Specialist with a strong Information Systems background and practical experience translating real-world problems into AI-enabled solutions. Experienced in AI solution design, NLP-based assistants, data-driven dashboards, cloud AI services, and stakeholder-focused prototypes across education, government digital security, sustainability, fintech, and legal tech. Able to bridge business needs and technical implementation by defining use cases, structuring data, coordinating teams, and turning AI concepts into usable systems with measurable value.

## CORE SKILLS

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**AI Solution Design:** AI Use Case Analysis, AI Assistants, Generative AI, NLP Applications, Intelligent Search, AI-Driven Insights

**Data & Analytics:** SQL, Power BI, Data Visualization, Dashboard Design, Analytical Thinking, Reporting

**Cloud & Platforms:** Azure AI Services, Google Cloud Run, Vertex AI, BigQuery, Cloud Storage, Cloud-Based Prototyping

**Technical Foundation:** Python, R Programming, Database Management, Web Development, GitHub & Version Control

**Business & Delivery:** Requirements Understanding, Team Leadership, Communication, Problem Solving, Adaptability, Continuous Learning

## PROJECTS

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### ChatUB - Local AI Academic Assistant | Graduation Project | 2025

- Led an AI academic assistant initiative for University of Bisha to help students access reliable answers from official academic regulations and procedures.
- Defined the solution vision around privacy, answer reliability, university context, and potential institutional adoption.
- Translated student needs into an AI assistant workflow using NLP, intelligent search, and LLM-based response behavior.
- Coordinated project direction, content structure, user needs, and system usability to deliver a practical academic support solution.

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

- Contributed to an AI and cloud-based decision-support platform for improving urban thermal comfort through smarter shade canopy placement.
- Helped convert environmental and location-based data into planning insights using heat visualization, map interaction, image analysis, and conversational explanations.
- Supported cloud-based prototyping with Google Cloud Run, BigQuery, Cloud Storage, and Vertex AI.
- Focused on integrating analysis services into a cohesive prototype that supports data-driven urban planning decisions.

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

- Developed a government digital security concept focused on proactive risk prediction rather than reactive incident response.
- Designed a privacy-by-design synthetic data approach to simulate realistic user behavior while protecting sensitive information.
- Applied UEBA concepts to identify behavioral anomalies and support early risk detection.
- Created an interactive dashboard concept to help decision-makers understand predictive security insights.

### Qanouni - AI Legal Advisor | 2024

- Built an AI legal support concept to help private sector employees understand labor rights and related procedures.
- Worked across AI workflow design, data preparation, Azure deployment, and user-centered legal information delivery.

### Virtual Astronauts - VR + AI Educational Experience | 2024

- Developed an immersive AI-enhanced educational concept for exploring space through interactive VR experiences.
- Contributed to AI-driven content generation, learning experience design, and user engagement optimization.

## EDUCATION

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### University of Bisha

Bachelor of Science in Information Systems | 2026

## AWARDS & ACHIEVEMENTS

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- 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

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Arabic: Native | English: Fluent