

ALAA ALHAWITI

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SUMMARY

Graduate in Information Technology with a focus on Data Analysis, specializing in transforming complex datasets into meaningful, actionable insights. Proficient in programming languages including Python and SQL, with hands-on experience in data visualization, statistical analysis, and the application of machine learning algorithms to support data-driven decision-making. Strong foundation in database management and software development, coupled with a keen ability to solve data-related challenges and optimize business processes through innovative, technology-driven solutions.

EXPERIENCE

Tuwaiq Academy | Saudi Arabia

Data Science and Machine Learning Bootcamp Intern | Aug 2024 - Oct 2024

- Analyzed large datasets to extract meaningful insights and trends.
- Collaborated with team members to clean and preprocess data for analysis.
- Developed deployable AI models and practical AI-driven applications.
- Explored advanced features of Gradio for building and deploying these applications.
- Learned to utilize the Python programming language for AI applications.
- Deployed and leveraged pretrained models using Hugging Face.
- Implemented data visualization techniques to present findings clearly.

EDUCATION

Tabuk University | Saudi Arabia

Bachelor's Degree in Information Technology (Excellent with First Class Honor)

August 2025

GPA: 4.78 / 5.0

Certificates

- Machine learning Practitioner | Sdaia | Dec 2023 | for 1 month .
- Google Data Analytics Specialisation | Google | Aug 2024 | for 2 months .
- Data Science and Machine Learning Bootcamp | Tuwaiq Academy | Aug – Oct 2024 | for 2 months.

Projects

PlanWealth – Smart Budgeting Web Application (Graduation Project)

Jan 2025

- Developed a full-stack web application to help users manage personal finances by tracking income, expenses, and budgets.
- Built using HTML, CSS, JavaScript for the frontend, PHP for the backend, and PostgreSQL for the database.
- Designed a dynamic dashboard displaying financial summaries and interactive charts for data visualization.
- Implemented automated budget alerts when users exceed 90% of their set budget.
- Integrated AI-based financial recommendations and monthly email notifications for users.

Language Learning Assistant

Aug 2024 – Oct 2024

- Developed an interactive language learning tool that converts written text into spoken audio to help users improve their listening and pronunciation skills.
- Built using Python, gTTS, Gradio, and hosted on Hugging Face Spaces.
- Integrated machine learning-based text-to-speech (TTS) conversion with adjustable language selection and speech speed control.
- Created a user-friendly interface for real-time text input and audio playback.
- Utilized Pydub for audio format handling and enhanced audio file management.

Technical Skills

- Programming Languages: (Python, Java, php, and SQL).
- Software Development. Data Structures and Algorithms.
- Database Management.
- Web Development: (HTML, CSS, JavaScript).
- UI/UX Design.
- Machine Learning and AI.

Soft Skills

- Communication.
- Problem-Solving.
- Decision-Making.
- Time-Management.
- Flexibility and Adaptability.
- Collaboration and Teamwork.

Languages

- Arabic: Native
- English: Fluent