

ABDULAZIZ ALTHOBAITI

Programming | AI & Data Science

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• Summary

Programmer and AI Developer with over two years of dedicated project-based experience building and deploying machine learning models (CNN, YOLO) and AI-powered applications. Leverages strong Python programming skills to architect, develop, and optimize robust software solutions. Successfully delivered 10+ impactful projects, including AI-powered football tracking and plant classification. Adept at integrating AI capabilities into user-focused applications and developing intelligent systems that generate actionable insights.

• Projects & Hackathons

- ◆ **Built** a computer vision model using YOLO to analyze ball possession, reducing manual tracking time by 40% for sports analysts.
- ◆ **Automated** SQL data extraction and transformation into a structured Pandas DataFrame using SQLAlchemy.
- ◆ **Developed** a full-stack app using ASP.NET, SQL, C#, achieving 85% functional accuracy.
- ◆ **Built** and deployed a movie **recommendation system** (Python, Scikit-learn, Flask) that efficiently processed 10,000+ films, improving user engagement.
- ◆ **Developed** an ML model (Python, Scikit-learn) with 92% accuracy, streamlining loan processing for a financial institution.
- ◆ **Created** a CNN model (SwiftUI) to classify 30 plant species, deployed as a mobile app for environmental researchers.
- ◆ **SCAI League Hackathon (2025)**: Developed a system to assist coaches, analysts, and scouts, enhancing sports performance analysis and decision-making.
- ◆ **Jeddah Hackathon (Social Development Bank, 2024)**: Created innovative solutions to enhance the tourism experience in Jeddah, converting them into viable investment opportunities

• Technical Skills

- ◆ **programming languages** : Python | SQL | C# | HTML | CSS
- ◆ **frameworks & tools** : Power BI | Excel | Matplotlib | Seaborn | ETL | EDA | SQLAlchemy | Computer Vision (YOLO, CNN) | Scikit-learn | Feature Engineering | Fine Tuning | Pandas | OOP | ASP.NET

• Communication Skills

- ◆ **Enhanced** communication skills through consistent weekly presentations on data science topics during two intensive bootcamps.
- ◆ **I collaborated** with cross-functional teams, improving communication to efficiently meet project goals on schedule.
- ◆ **Achieved** finalist status in the AI League Hackathon by effectively developing and presenting an innovative AI solution.

Certificates

- ◆ AI & Data Science Bootcamp Certificate – **T5 SDAIA** (2024 | 3 months).
- ◆ AI Models Development Camp – **Tuwaiq Academy** (2024 | 2 months).
- ◆ Oracle AI Vector Search – **Oracle** (2025).
- ◆ Microsoft Power BI Certification – **Microsoft** (2023).
- ◆ Microsoft Excel Certification – **Microsoft** (2023).
- ◆ Introduction to Artificial Intelligence (AI) – **IBM** (2024).

• Education

- ◆ Diploma in **Computer Programming** GPA: **4.57/5.0**, **Institute of Public Administration, Jeddah**