

# Mawda Mohammed Alguraafi

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## SUMMARY

Fresh Computer Science graduate with strong skills in Python, SQL, Data Analysis, and Machine Learning. Experienced in developing AI and computer vision projects through hands-on bootcamps and academic work. Seeking an opportunity to apply technical skills, contribute to impactful projects, and grow professionally within a collaborative and innovative environment by continuously expanding expertise and embracing innovative teamwork.

## EDUCATION

**Bachelor's Degree in Computer Science**, Taibah University  
GPA (4.88/5) with First Class Honor 07/2020 – 05/2025 | Madina

**Data Science and Machine Learning Bootcamp**, Tuwaiq Academy 09/2025 – 11/2025 | Riyadh

## PROFESSIONAL EXPERIENCE

**Data Analyst**, Elm 11/2025 – Present | Medina

- Clean and analyze data using SQL and Excel.
- Build dashboards and visual reports using Tableau and Power BI.
- Extract insights to support data-driven decision-making.

**Intern**, Department of Criminal Evidence 06/2024 – 08/2024 | Madina

- Extracted data from mobile devices using forensic tools such as XRY, XAMN, MD-NEXT, and MD-RED.
- Analyzed and structured the extracted digital evidence to highlight key insights.
- Prepared detailed forensic reports and submitted the results to the concerned authorities.

## PROJECTS

**InterviewSense**, Graduation project 

- Developed an interview training system that analyzes both speech content and facial expressions.
- Generated customized interview questions using ChatGPT and evaluated verbal answers with BERT, achieving 97% accuracy.
- Performed facial emotion recognition using DeepFace with an MTCNN detector, reaching 83% precision.
- Provided overall scores to help improve the applicant's interview readiness.

**Nabahah Project**, Tuwaiq Academy 

- Built an AI system to detect PPE violations, restricted-area entry, and chemical spills.
- Applied YOLOv8 models for real-time video analysis, achieving a 94% detection accuracy (mAP).
- Developed a FastAPI dashboard linked to Supabase for monitoring alerts and viewing logs.
- Added automatic voice alerts and stored safety data to support better lab compliance.

## COURSES AND MEMBERSHIP

**Computer Science Specialization**, Digital Data Governance and Development 09/2025

**Technology Specialist Member**, Saudi Council of Engineers 07/2025

**Data Analyst Nanodegree Program**, Udacity 07/2025

**Data Science Bootcamp**, Saudi Digital Academy, INE 01/2025

**Machine learning Bootcamp**, SDAIA 02/2024

**Excel Basics for Data Analysis**, IBM, Coursera 02/2023

## PROFESSIONAL SKILLS

**Programming Language:** Java, Python, SQL

**Machine Learning:** Scikit-learn, Model Training, Model Evaluation.

**Data Analysis:** Data Cleaning, Exploratory Data Analysis (EDA)

**Data Visualization:** Power BI, Streamlit, FastAPI

**Front-End:** HTML, CSS

**Design:** Figma, Canva

**Microsoft Office:** Excel, Word

## SOFT SKILLS

- Problem-solving
- Attention to detail
- Time Management
- Teamwork and collaboration
- Fast Learning

## LANGUAGES

- Arabic
- English