# Mawda Mohmmed 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 — 07/2020 – 05/2025 | Madina
GPA (4.88/5) with First Class Honor

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

## PROFESSIONAL EXPERIENCE

**Data Analyst,** Elm — 11/2025 – Present | Medina
• Cleaned and analyzed data using SQL and Excel .
• Built dashboards and visual reports using Tableau / Power BI.
• Extracted 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