RAEF MOHAMMED ALHARBI

Computer Science Graduate | Data Analytics & Machine Learning | Power BI, Python, SQL

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PROFESSIONAL SUMMARY

Motivated Computer Science graduate from King Abdulaziz University (GPA: 4.65/5.00) with a solid foundation in programming, data analysis, and web development. Built 9+ interactive Power BI dashboards and predictive models through specialized training at the KAU Data Management Office, using Python and SQL. Eager to leverage skills in machine learning and database management to deliver innovative, data-driven solutions.

EDUCATION

Bachelor of Computer Science, King Abdulaziz University, Saudi Arabia | Graduated June 2026 | GPA: 4.65 / 5.00

PROFESSIONAL EXPERIENCE

Data Analysis Trainee, King Abdulaziz University, Data Management Office, Saudi Arabia *June 2025 – August 2025*

- Executed advanced data cleaning, automation via VBA and Power Query, and SQL database management to ensure data integrity across institutional datasets.
- Built predictive machine learning models using Python to support data-driven decision-making within the Data Management Office.
- Designed and delivered 9+ interactive dashboards using Power BI and DAX, translating raw datasets into actionable insights for stakeholders.

PROJECTS

UAE Used Car Market Analytics Dashboard Live Site

- Designed an interactive Power BI dashboard to analyze comprehensive datasets from the UAE used car market.
- Engineered advanced slicers and map visuals to track market trends, vehicle specifications, and pricing variations across regions.
- Extracted actionable business insights to support data-driven decision-making in the automotive sector.

Dermavision: Skin Lesion Classification App Code

- Developed a cross-platform mobile application using Flutter, integrating a lightweight machine learning model (TFLite) for real-time skin lesion classification.
- Implemented a Federated Learning pipeline and Knowledge Distillation using Python, TensorFlow, and Keras to handle non-IID data conditions while preserving user data privacy and maintaining high accuracy.
- Presented the fully functional application at the Tech Hub exhibition.

Tech Store: E-commerce Platform Live Site

- Designed a full-stack e-commerce platform using PHP and MySQL, with a relational schema for users, products, carts, and orders.
- Secured the back-end with password hashing, prepared statements against SQL injection, and XSS protection.
- Built a responsive front-end with real-time product tables, image galleries, and client-side form validation.

CERTIFICATES AND LICENSES

- Google Data Analytics Professional Certificate, Coursera (2026)
- IBM Data Analyst Professional Certificate, Coursera (2026)
- Data Analysis Bootcamp & Statistics (85+ hours), Udemy (2025)
- SQL & Power BI Mastery Tracks (17+ hours), Udemy & Tuwaiq Academy (2025)

SKILLS

Programming Languages: Python, Java, Dart, PHP, JavaScript
Data Analysis & Visualization: Excel, Pandas, NumPy, Power Query, DAX, Power BI, Matplotlib, Seaborn, PowerPoint
AI & Machine Learning: TensorFlow, Keras, TFLite, Federated Learning, Knowledge Distillation
Database Management: SQL, MySQL
Web & Mobile App Development: HTML, CSS, PHP, Flutter
UI/UX Design: Figma
Soft Skills: Analytical Thinking, Communication Skills, Adaptability, Problem Solving, Teamwork

LANGUAGES

Arabic, English