SUMAIYA OMAR

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ABOUT

Computer Science graduate with practical exposure to database development, data analysis, geospatial mapping, and software projects. Familiar with tools such as Excel, SQL, QGIS, and Python through academic, training, and self-directed projects. Interested in applying technology and analytical thinking to practical problems while continuing to develop technical skills.

EDUCATION

Almaarefa University *Sep 2022 - Dec 2025*

Bachelor's Degree in Computer Science, Riyadh, Saudi Arabia | GPA: 3.74/4.00, Excellent Grade with Second Class Honor

Relevant coursework: Computer Graphics, Linear Algebra, Calculus I-III, Computer Algorithms, Data Structure, Computer Programming, Statistical Methods, Selected Topics in Computer Science (Introduction to AI), Database System Design and Implementation

SKILLS

Core Skills: QGIS, Python (pandas, NumPy, Matplotlib), SQL, MySQL, SQLite
Visualization & Analysis: Power BI, DAX, Tableau, Excel, Power Query, dashboards, data cleaning and validation, KPI reporting
Web, App & Tools: HTML, Flask, Flutter, Streamlit, GitHub, VS Code, Figma
Academic Familiarity: Java, PHP, Oracle Database, Eclipse, Cisco Packet Tracer
Languages: Bengali (Native), English (B2; TOEFL iBT 4.5/6, 90/120 equivalent), Arabic (Basic Conversational)

EXPERIENCE

Practical Training Student *Jul 7 – Sep 5, 2025*

Rasikh for Communication and Information Technology, Riyadh, Saudi Arabia

- Imported Excel data into QGIS to create population density maps, choropleth maps, and multi-layer spatial analyses
- Developed HTML pages and applied supervisor feedback to resolve technical issues; received an Excellent evaluation

Online Tutor (Part-Time), Remote *Jun 2020 – Present*

- Deliver one-to-one lessons, organize lesson plans, and monitor student progress

PROJECTS

Tranzit — Intelligent Emergency Case Routing System

Two-person graduation project *Jan–Dec 2025*

- Co-developed an intelligent routing app that analyzes a patient's written description to assess case type and severity, finds the nearest hospital with the required specialization, and shows the doctor and waiting status
- Led MySQL database design (ER diagram, schema, relationships, SQL queries), integrated it with the app, and resolved connectivity issues

Second Opinion – AI Data Truth Engine *Oct 2026*

Python, Streamlit, AI

- Developed an AI-assisted analytical tool that audits data-driven claims using deterministic calculations, visualizations, and robustness checks

DataCo Supply Chain & Operations Analytics

Python, pandas, Streamlit, Plotly

- Analyzed 65,752 orders with AI assistance, identifying late-shipping patterns and 57.31% late-shipping rate among eligible orders
- Validated findings and documented limitations; delivered a dashboard, report, and reproducible code

RFM Customer Segmentation

Python, pandas, SQLite, HTML/JavaScript

- Analyzed 1,892 customers with AI assistance, segmenting them into six groups and identifying 295 at-risk customers

Self-Directed Excel Projects *2026 – Present*

- Cleaned 12,180 e-commerce rows using Power Query; built Excel dashboards for sales, inventory, and customer churn

COURSES, CERTIFICATIONS & ACTIVITIES

- Microsoft Learn: Prepare and Visualize Data with Microsoft Power BI; Prepare Data for Analysis with Power BI
- Google AI Essentials Specialization
- Great Learning: Introduction to Graphic Design with Photoshop; UX/UI
- Machine Learning(CS229) — Stanford online lectures
- Scientific Research Presentation, "Tranzit" — Deanship of Scientific Research and Post Graduate Studies (May 2025)
- Forage job simulations (Sep–Oct 2026): Deloitte Data Analytics (Tableau); BCG Data for Decision Makers; BCG GenAI (Python)
- Misk Foundation Entrepreneurship Masterclasses (2025); WARD Club team member, Almaarefa University (Sep – Dec 2025)