

Lubna Alrabiah

Computer Science Specialist

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SUMMARY

As a Computer Science Specialist, I have gained hands-on experience in data analysis and visualization, using programming languages and data visualization tools to extract insights and communicate findings to stakeholders. My expertise in AI and machine learning has been applied in various projects. I have also honed my skills in data engineering, software development, and database management. With a strong foundation in computer science, I am well-equipped to excel in roles that combine AI, data analysis, and software development.

EXPERIENCE

Saudi Commission for Health Specialties | Saudi Arabia

Data Engineer | April 2025 – September 2025

- Designed, developed, and maintained robust data pipelines from multiple sources.
- Performed ETL/ELT processes for data cleaning, transformation, and readiness for analytics.
- Managed and optimized data stored in data warehouses to support business intelligence and reporting.
- Administered relational (SQL) and non-relational (NoSQL) databases, optimizing queries for performance and scalability.
- Monitored end-to-end data flows, implemented alerting mechanisms, and ensured system reliability.
- Collaborated closely with data scientists and analysts to understand data requirements and deliver infrastructure support.
- Automated and orchestrated data workflows using tools such as Apache Airflow and Apache NiFi.

I-be Company | Saudi Arabia

IT Specialist Trainee | December 2023 – July 2024

- Assisted in creating applications using the Low Code.
- Provided support using data analysis.
- Helped users understand and effectively use computer systems and software.
- Maintained accurate records and documentation for IT systems, configurations, and procedures.

EDUCATION

Al- Imam Mohammed Bin Saud University | Riyadh, Saudi Arabia

Bachelor's Degree in Computer Science | 2019 –2024

Tuwaiq Academy| Saudi Arabia

AI Development Bootcamp | September 2024 – November 2024

Saudi Digital Academy| Saudi Arabia

Data Science Bootcamp | July 2024 – December 2024

British Council | Riyadh, Saudi Arabia

English Language

OTHER

● Certificates And Courses:

- Large Language Models Bootcamp Certificate | Sdaia.
- Data analysis | Misk.
- Programming-Jam 6.0 Certificate | Prince Sultan University.
- IBM Data Engineering Course | Coursera.
- Google Data Analytics Course | Coursera.

● Projects:

- (Graduation Project: Visualize, A Software Tool for Visualizing the Impact of Climate Change on Cities: Data Collection, Data Preprocessing and Image Processing).
- (Tuwaiq Academy Project: Crowded Management System for Riyadh Metro).

● Technical Skills:

- Programming Languages: Java, Python
- Data Engineering: ETL/ELT, Data Warehousing, Data Modeling
- Database Management: SQL, NoSQL, PostgreSQL
- Tools & Platforms: dbt, Git, GitHub, GitLab, Docker, Apache Airflow, Apache NiFi
- Artificial Intelligence: Machine Learning, Image Processing, Computer Vision

● Soft Skills:

- Communication Skills.
- Problem-Solving.
- Attention to Detail.
- Decision-Making.
- Analytical Thinking.
- Time-Management.
- Flexibility and Adaptability.
- Collaboration and Teamwork.

● Languages: Arabic, English.