SARA ALLALI

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PROFESSIONAL SUMMARY

Detail-oriented data analyst with a strong foundation in statistical analysis, data visualization, and business intelligence. Proficient in Python, SQL, Excel, and Power BI, with hands-on experience in education, healthcare, and business sectors. Skilled in transforming complex datasets into actionable insights to support strategic decisions. Passionate about using data to solve problems, improve outcomes, and drive measurable impact.

EDUCATION

Chapman University, California - M.S Computational and Data Sciences   Expected: May 2025
Chapman University, California - B.A Psychology, Minor Analytics   Graduated: May 2024

RELEVANT COURSEWORK

- Enterprise Data Management
- Machine Learning
- Interactive Data Analysis
- Applied Business Analytics
- Data Mining
- Multivariate Data Analysis
- Foundations of Business Analytics
- Time Series Analysis
- Data Structures and Algorithms
- Biostatistics
- Research Methods

TECHNICAL SKILLS

- R
- Python
- Java
- MS Excel
- SQL
- Tableau
- HTML,CSS & Javascript
- C++
- Power BI
- QGIS
- Salesforce

WORK EXPERIENCE

Chapman University, Orange, CA   October 2023 - Present
Data and Systems Analyst Assistant

- **Cleaned and analyzed** datasets of various sizes, ensuring accuracy and reliability for decision-making.
- **Extracted and managed** data from multiple career platforms to generate insights aligned with leadership needs.
- **Designed and developed** interactive Power BI dashboards, enhancing decision-making for career services leadership
- **Assisted in survey development** for campus-wide student research, enabling data collection for key institutional insights.
- **Built dashboards to track student outcomes**, helping career services evaluate post-graduation success and program effectiveness.
- **Collaborated** with the Data and Systems Analyst to ensure data integrity and project alignment.
- **Reviewed and validated** data before publishing reports to maintain consistency and accuracy.
- **Supported ad hoc projects**, showing adaptability and problem-solving in a data-driven setting.

Ansar Academy, Anaheim, CA   September 2022 - Present
Teacher Assistant

- Assist in preparing and implementing age-appropriate lesson plans to support early childhood development.
- Promote children's emotional and social growth through interactive activities and positive reinforcement.

- Ensure classroom safety by adhering to health and safety protocols for a clean and secure environment.
- Provide individualized support to children with varying learning needs, fostering an inclusive classroom.

RELEVANT PROJECTS

Computational Perspectives on Workplace Dynamics and Mental Health in the Tech Industry
- Analyzed survey data on workplace policies and mental health treatment-seeking. Built ML models to predict treatment likelihood and improve workplace support.

Subscriber Optimization for Rosetta Stone
- Analyzed subscriber data to identify factors influencing retention and engagement. Provided insights and recommendations to help Rosetta Stone improve subscription rates.

Adidas US Sales Analysis
- Conducted an in-depth analysis of Adidas US sales data to identify trends, optimize marketing, and pinpoint underperforming products. Leveraged Excel for pivot tables and charts, providing insights into regional and retailer performance while supporting data-driven sales forecasting.

Profit Analysis and Departmental Insights Using SQL and Power BI
- Analyzed departmental budgets, salaries, and revenues using SQL to assess profitability and resource use. Built Power BI dashboards to visualize financial performance, salary distribution, and project impact.

Customer Spending Habits Analysis
- Utilized Power BI and R to analyze sales data and uncover consumer behavior trends across demographics and regions. Identified key factors influencing purchasing patterns to support targeted sales strategies and improve profitability.

Subscriber Optimization for Rosetta Stone
- Analyzed subscriber data to identify factors influencing retention and engagement. Provided insights and recommendations to help Rosetta Stone improve subscription rates.

LEADERSHIP, EVENT AND VOLUNTEER EXPERIENCE

Career Fair Support, Chapman University (Spring 2024, Fall 2024, Spring 2025)
- Worked alongside the team to coordinate and support the organization of one of the university's largest career fairs, facilitating employer-student engagement and ensuring event execution.

Giving Day Photoshoot Participant, Chapman University (Annual Giving Programs)
- Participated in promotional photoshoots for Chapman University's Giving Day, contributing to marketing efforts that support fundraising and engagement initiatives.

ADDITIONAL

- **Certifications & Training:**
  - Data or Specimens Only Research (CITI Program)
  - Tableau Desktop: Speed & Performance Optimization
  - The Complete SQL Bootcamp: Go From Zero to Hero
- **Awards & Recognition**:
  - Provost's List (2021, 2022, 2023, 2024)
  - Honor's Magna Cum Laude (2024)
- **Club Organizations:**
  - Girls Who Code (GWC)
  - Data Analytics Association