

# Sara Allali

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## EDUCATION

Chapman University, Orange, CA	
<b>Master of Science in Computational &amp; Data Sciences</b>	Graduated May 2025
<b>Bachelor of Arts in Psychology, Minor in Analytics</b>	Graduated May 2024
<i>Honor's Magna Cum Laude</i>	2024
<i>Provost's list</i>	2021-2024

Relevant Coursework:

- |                                |                               |                                  |
|--------------------------------|-------------------------------|----------------------------------|
| • Statistical Machine Learning | • Deep Learning               | • Data Structures and Algorithms |
| • Interactive Data Analysis    | • Natural Language Processing | • Multivariate Data Analysis     |
| • Data Mining                  | • Applied Business Analytics  | • Data Management                |

## TECHNICAL SKILLS

- |          |         |                         |
|----------|---------|-------------------------|
| • Python | • Excel | • Power BI              |
| • R      | • Java  | • Tableau               |
| • C++    | • SQL   | • HTML, CSS, JavaScript |

## PROFESSIONAL EXPERIENCE

<b>Data &amp; Systems Analyst/Coordinator</b>   <i>Chapman University - Orange, CA</i>	August 2025 – Present
<ul style="list-style-type: none"><li>Administer and optimize career technology platforms, enhancing data accuracy and user experience for users.</li><li>Lead data integration projects, importing, exporting, and transforming complex datasets to support strategic reporting and institutional planning.</li><li>Design and maintain interactive Power BI dashboards, tracking KPIs such as engagement, outcomes, and platform usage, improving data visibility by 25%.</li><li>Coordinate with IT, advising, and engagement teams to ensure data alignment with university goals</li><li>Develop and enforce best practices for data governance, reporting, and documentation; train staff and student assistants to enhance departmental data literacy.</li></ul>	
<b>Data &amp; Systems Analyst Assistant</b>   <i>Chapman University - Orange, CA</i>	October 2023 - May 2025
<ul style="list-style-type: none"><li>Cleaned and analyzed data to ensure accuracy and support data-driven decision-making.</li><li>Developed interactive Power BI dashboards to enhance strategic insights for leadership.</li><li>Assisted in survey design for campus-wide research, enabling insights into student experiences.</li><li>Ensured data integrity through validation and collaboration; supported ad hoc projects as needed.</li></ul>	

## RELEVANT PROJECTS & EXPERIENCE

<b>Predictive Model for Neonatal Sepsis Detection</b>	
<ul style="list-style-type: none"><li>Built a predictive model in R and SQL achieving ROC 0.93 and 99.8% sensitivity, improving early detection accuracy for neonatal sepsis.</li><li>Applied SMOTE for class balancing and leveraged SHAP for model interpretability, enabling transparent feature impact analysis for clinicians.</li></ul>	
<b>Profit Analysis and Departmental Insights</b>	
<ul style="list-style-type: none"><li>Consolidated multi-table datasets in SQL to assess budgets, salaries, and revenues across departments.</li><li>Developed an interactive Power BI dashboard to visualize financial performance and resource allocation, enhancing executive decision-making.</li></ul>	
<b>AI Research Fellow</b>   <i>Klarbook - Remote</i>	July 2025
<ul style="list-style-type: none"><li>Selected to join a national AI research fellowship focused on studying automation and industry trends; contributed to survey design and outreach strategy.</li></ul>	

## CERTIFICATIONS

<b>MLOps Concepts</b>   DataCamp	Nov 2025
<b>Machine Learning for Business</b>   DataCamp	Nov 2025
<b>Communication for Technical Professionals</b>   Udemy	Oct 2025
<b>The Complete SQL Bootcamp</b>   Udemy	Aug 2024