**ALESSANDRA RODRIGUEZ**  
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AI-generated content may be incorrect. [GitHub](https://github.com/alessandra-rodriguez17) | [LinkedIn](https://www.linkedin.com/in/alessandra-rodriguez-7ab74b266/)

**PROFESSIONAL SUMMARY**

Analytical and detail-oriented Computer Science graduate with a strong academic foundation and a passion for discovering insights through data. Skilled in Python, SQL, Excel, Tableau and PowerBI. Experienced in building data projects that involve cleaning, analysis, modeling, and documentation of findings. A quick learner with strong communication skills and leadership experience.

**EDUCATION**

**Texas A&M University – Commerce, TX**  
**B.S. in Computer Science**  
**GPA:** 3.94/4.0 – Summa Cum Laude

* President’s List (6 semesters), Dean’s List (2 semesters)
* **Leadership:** Internal Affairs Chair, Student Government Association
  + Supervised 20+ student senators and fostered professional collaboration on university initiatives

**SELECTED DATA ANALYTICS PROJECT EXPERIENCE**

*More projects available on* [*GitHub*](https://github.com/alessandra-rodriguez17)

**Predicting Depression from Personal Characteristics** — *Python (Pandas, Scikit-learn, Seaborn)*

* Analyzed survey data to identify the most accurate predictors of depression using machine learning models
* Applied data preprocessing techniques: missing value handling, outlier removal, feature scaling
* Trained and evaluated classification to optimize prediction accuracy
* Visualized correlations and feature importance to explain model decisions

**U.S. Grocery Sales Insights** — *SQL*

* Designed a relational database for an imported dataset to manage grocery sales data across regions in the United States
* Used advanced SQL queries (JOINs, subqueries, aggregates) to analyze sales performance by city, employee, and product
* Delivered insights on top-selling items and high-demand regions for business decision-making

**Student Performance Analysis** — *SQL*

* Conducted exploratory analysis on factors affecting student grades, including study habits and parental education
* Queried relational datasets using GROUP BY and CASE statements to identify performance patterns
* Produced actionable findings to support data-informed educational strategies

**CERTIFICATIONS & TECHNICAL SKILLS**

**Technical Skills**

* **Programming:** Python (Pandas, NumPy, Scikit-learn), SQL
* **Tools:** Jupyter Notebook, Excel, VS Code, Microsoft Office
* **Visualization:** Tableau, Power BI

**Certifications**

* LinkedIn Learning: SQL for Data Analysis, Python Data Analysis, Tableau Essential Training
* Self-Led Course: Excel Data Analysis Full Tutorial (7+ hours)

**Soft Skills**

* Analytical Thinking • Attention to Detail • Communication • Peer Collaboration • Problem-Solving