**Pearl De Mello**

**SUMMARY**

Undergraduate student majoring in Information Systems, Minor in Computer Science with a passion for data analysis and building applications that solve real-world problems

**TECHNICAL SKILLS AND LANGUAGES**

* C/C++, Java, Python, Javascript and SQL
* Knowledge of IT security like load balancers, DNS, SSL/TLS
* Understanding of cloud services and infrastructure (AWS)
* Data Structures and Algorithms
* Git/Github, Tkinter, SQLite, Tableau
* Linux and Windows OS

**PROJECTS**

**Consumer Feedback Data Analysis for Beats by Dre**

* Collected and cleaned Amazon customer reviews using Python (pandas, NumPy) to prepare the data for analysis.
* Conducted exploratory data analysis (EDA) to identify trends and patterns in the reviews, using visualizations like histograms, scatter plots, and word clouds.
* Performed sentiment analysis using TextBlob to classify customer feedback into positive, neutral, and negative sentiments.
* Leveraged Gemini AI to extract themes from customer reviews, providing deep insights for product strategy and brand perception.
* Documented and presented key insights and recommendations through comprehensive data visualizations and reports.

**Predict Absenteeism at a Company**

* Defined a problem statement and conducted data preprocessing from raw datasets
* Conducted data preprocessing from the raw dataset acquired.
* Integrated Python and SQL
* Applied logistic regression.
* Created a data visualization using Tableau.

**Order Calculator GUI**

* Developed a Java GUI application to enable real-time order calculation and cost estimation for bagels, toppings, and coffee options.
* Designed with Java Swing components to provide a responsive, user-friendly experience, integrating JRadioButton, JCheckBox, and JButton controls to capture user selections.
* Enhanced customer interaction by creating interactive dialogs for order confirmation

**EDUCATION**

**The University of Texas at Arlington Expected Graduation 2025** *B.S in Information Systems, Minor in Computer Science Arlington, TX*

* GPA: 3.7
* Relevant Coursework:
  + Advanced Application Development
  + Object Oriented Programming
  + Database Management Systems
  + Cloud Computing (AWS)

**AWARDS**

**Dean’s Challenge 2022** *University of Texas at Arlington, College of Engineering Arlington, TX*

* Awarded first place for originating and spearheading the development of the “MavSafe” Health Smart Tracker app
* Led a team to conceptualize and implement a comprehensive solution for contact tracing, symptom monitoring, and pre-arrival screening tests to ensure the health and safety of students, faculty, and staff at The University of Texas at Arlington

**WORK EXPERIENCE**

**Living Spaces July 2023 – Oct. 2023**

*Product Specialist Grand Prairie, TX*

* Utilized technical skills to troubleshoot and resolve point-of-sale system issues, ensuring seamless transactions for customers
* Employed Tableau for end-of-month sales reporting and data analysis to improve sales
* Exceeded Sales Per Hour (SPH) targets by promoting financing options and protection plans
* Thrived in a fast-paced, collaborative environment, contributing to team revenue targets
* Collaborated with colleagues from various departments to ensure smooth customer purchases and to resolve conflicts