

Pearl De Mello

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SUMMARY

A passionate programmer with a strong interest in data analytics to help businesses make data-informed decisions and building applications that address real-world problems

TECHNICAL SKILLS AND LANGUAGES

- Data Analysis Tools: Python, SQL, Excel, ETL, AWS, R
- Visualization Tools: Tableau, Power BI
- Databases: MySQL, SQLite, Amazon DynamoDB
- Other: C/C++, Java, HTML, CSS, Javascript, IT Security, REST APIs, MS Office, Git/Github, Kubernetes, Linux, MacOS and Windows OS
- Data Structures and Algorithms

PROJECTS

Consumer Feedback Data Analysis for Beats by Dre

- Collected and processed Amazon customer reviews using Python (pandas, NumPy) to prepare the data for analysis
- Conducted sentiment analysis and exploratory data analysis (EDA) to identify trends and patterns in the reviews, using visualizations like histograms, scatter plots, and word clouds
- Documented and presented key insights and recommendations through comprehensive data visualizations and reports

Predict Absenteeism at a Company

- Performed data preprocessing on raw datasets, integrating SQL with Python
- Applied logistic regression for predictive modeling
- Developed interactive visualizations in Tableau to communicate insights effectively

EDUCATION

The University of Texas at Arlington

B.S in Information Systems, Minor in Computer Science

Graduation December 2025

Arlington, TX

- GPA: 3.7
- Relevant Coursework: Database Management Systems, Cloud Computing (AWS), Advanced Application Development, Object Oriented Programming, Computer Networks and Distributed Computing

AWARDS

Dean's Challenge

2022

University of Texas at Arlington, College of Engineering

Arlington, TX

- Awarded first place for originating and spearheading the conceptualization of the "MavSafe" Health Smart Tracker app. Led a team to implement a comprehensive solution for contact tracing, symptom monitoring, and pre-arrival screening tests to ensure the health and safety of students and faculty

WORK EXPERIENCE

Living Spaces

July 2023 – Oct. 2023

Product Specialist

Grand Prairie, TX

- 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 resolve conflicts