Matheus Souza

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TECHNICAL SKILLS

Languages: English, Portuguese, Spanish
Programming Languages: Java, Python, C/C++, SQL, JavaScript
Frameworks/Libraries: Angular, Spring Boot, JUnit, Flask, PostgreSQL, NumPy, Pandas, Scikit-Learn, PyTest

EDUCATION

University of North Texas   Denton, TX
Bachelor of Science in Computer Science   *Aug. 2023 – May 2025*
- GPA: 3.75/4.00 – Dean's List of Scholars

Dallas College   Dallas, TX
Associate of Science in Computer Science   *Aug. 2021 – May 2023*
- GPA: 4.00/4.00 – Chancellor's Honor List

EXPERIENCE

Research Assistant   Jan 2024 – Present
College of Engineering at UNT
- Researching user evaluations in mobile app stores, focusing on accessibility for hearing impairment.
- Utilizing data science to analyze over 40,000 reviews from top apps, identifying common issues and associated conditions.
- Leading a team of engineers in the process of labeling features of such user reviews.
- Providing data for future research and planning to propose an interactive accessibility guide.

Software Engineer Intern   June 2023 – August 2023
PratCorp AI
- Developed a web-based social network powered by AI using a full-stack framework.
- Implemented error-catching and retry mechanisms for inaccurate API responses, preventing unwanted output for hundreds of daily users.
- Contributed routinely to UI/UX styling, prompt engineering, testing, and fixing bugs.
- Created and grew an engaged community of over 80 early testers in two weeks.

CERTIFICATIONS

Intro to Deep Learning by Kaggle
Intermediate Machine Learning by Kaggle
Back-End Developer Professional Certificate by Meta
CS50 Introduction to Computer Science by Harvard
Business Management by SENAI
AZ-900 Azure Fundamentals by Microsoft

PROJECTS

Braille Spark | *Angular, Spring Boot, PostgreSQL, AWS*
- Leading the development of BrailleSpark Project, a web app revolutionizing Braille education.
- Designing interactive lessons, quizzes, and Braille Translator for modular learning.
- Implementing user authentication, account management, and progress tracking features.
- Overseeing ongoing UI/UX enhancements to optimize user experience.

Stock Trading Portal | *Flask, Python, SQLite3, Bootstrap*
- Developed a Flask-based web application for managing stock portfolios and transactions.
- Implemented buy and sell functionalities with real-time stock data lookup and transaction history recording.
- Ensured secure user authentication using password hashing and session management.