

# May Sabai

[sabai.may.ms@gmail.com](mailto:sabai.may.ms@gmail.com) • (669) 295-8687 • San José, CA • <https://maysabai.vercel.app/>

## EDUCATION

---

San José State University | San Jose, CA

May 2026

Bachelor of Science, Data Science

Relevant courses: Data Visualization, Intro to Machine Learning, Intro to Artificial Intelligence, Advanced Python Programming, Database Management System, Processing Big Data, Statistics, R programming

## WORK EXPERIENCE

---

AI & Robotics Data Collection Engineer Intern

Feb 2026 – Present

Roboforce Inc

Milpitas, CA

- Operate humanoid robots in live customer scenarios, collecting **500MB+ multi-sensor (camera, LiDAR) data per session** to support ML training pipelines.
- Set up and calibrate sensors, improving data reliability and reducing capture errors by ~20%.
- Conduct QA on **2D/ 3D/ 6D labeled datasets (1,000+ samples/week)**, defining validation criteria to improve downstream model performance.
- Identify and document robot and sensor issues on **Google Sheets**, collaborating with ML and software engineers to validate fixes and maintain **>95% usable data rate**.
- Follow strict safety and equipment protocols, ensuring zero operational incidents.

Data Engineer Intern

May 2025 – Sept 2025

Jamiez LLC

San Jose, CA

- Architected and implemented a centralized **Supabase (PostgreSQL) database** supporting both customer mobile and admin platforms, securely managing up to **1GB of production data** with real-time synchronization.
- Designed authentication and **role-based access controls (RBAC)** to protect sensitive client data and enforce admin-level permissions across systems.
- Built a structured consulting intake workflow to dynamically capture customer requirements, improving quote accuracy and increasing customer satisfaction by ~20%.
- Took ownership of an existing AI chatbot project; integrated **Gemini API with RAG architecture**, connected it to the database and application layers, and enabled **24/7 automated client support**.

Machine Learning Teaching Assistant

June 2025 – July 2025

San José State University AI & Cybersecurity Summer Camp

San Jose, CA

- Co-developed and delivered curriculum on **Machine Learning and Computer Vision (YOLOv8, Jetson Orin Nano)** for **40+ students**, covering data preprocessing, model training, and real-time inference workflows.
- Instructed Python, Linux, and ML pipeline fundamentals, **simplifying advanced AI concepts for diverse learners** while introducing best practices in data handling and model evaluation.
- Supported hands-on projects where **50%+ of student teams successfully implemented AI/ML-based solutions**, deploying models on edge devices for live object detection.

## PROJECTS EXPERIENCE

---

Rent Affordability Analysis (Data Analysis Project)

Nov 2025 – Dec 2025

- Cleaned, merged, and processed **10,000+ housing and income records** from Zillow and U.S. government datasets using **Python (Pandas, Numpy, Seaborn)**, handling missing values and inconsistent formats.
- Performed **Exploratory Data Analysis (EDA)** to examine rent-to-income ratios, regional pricing distributions, and affordability trends across multiple U.S. states.
- Built data visualizations in **Matplotlib** to communicate regional disparities and key affordability drivers, supporting data-driven insights.