

Draco

EDUCATION

BS in Electronics Engineering

EXPERIENCE

Academic Project: Autonomous Robot Navigation

01/2021 - 04/2021

- Worked in a team to design a robot capable of autonomous navigation using infrared sensors. Developed the control software, achieving successful obstacle avoidance in 95% of test cases.
- Hard skills: I2C, PID Control Systems, Sensors Calibration, SLAM (Simultaneous Localization and Mapping), C/C++.

Academic Project: Wearable Fitness Tracker

06/2022 - 08/2022

- Created a prototype for a wearable fitness tracker. The device tracked user movement and heart rate, with data processing done on an embedded system. Presented findings and received commendation for efficient algorithm design and real-time data processing.
- Hard skills: C/C++, Python, PCB Design, Circuit Design.

Academic Project: Smart Home System

01/2023 - 05/2023

- As part of the final year capstone project, designed a smart home system using ARM mbed. Developed embedded software that controlled various home devices like lights, thermostats, and security cameras. Successfully created a user-friendly interface for remote control, achieving a 98% satisfaction rate in user testing.
- Hard skills: ARM mbed Development, IoT Integration, User Interface Design.

SOFT SKILLS

Team Collaboration, Problem Solving, Adaptability, Project Management, Analytical Thinking, Self-Motivation.

LANGUAGES

English, Spanish.