

Cigar

EDUCATION

Bachelor of Science in Computer Engineering

Master of Engineering in Robotics and Automation

PhD in Computer Science

EXPERIENCE

Project: Smart Factory System

06/2021 - 12/2021

- Engaged by a manufacturing giant to create a smart factory system. Developed software solutions to integrate various factory components, leading to a 15% boost in production efficiency over the seven-month project.
- Hard skills: Manufacturing Execution Systems (MES), Supply Chain Management Integration, Modbus, Production Line Optimization Techniques.

Project: Autonomous Delivery Drone

01/2022 - 06/2022

- Led a team of 5 to design an autonomous delivery drone for a leading e-commerce company. Developed control algorithms and ensured stable flight patterns, achieving successful package delivery in 98% of test cases during the six-month project duration.
- Hard skills: Drone Design, Flight Stability Assurance, GPS & GNSS Systems for Navigation, Obstacle Detection & Avoidance, Payload & Weight Management.

Project: Wearable Health Monitor 2.0

08/2022 - 02/2023

- Collaborated with a health-tech company to revamp their wearable health monitor. Integrated advanced sensors and optimized data processing algorithms. Rolled out the enhanced device in six months, resulting in a 20% increase in device sales.
- Hard skills: Advanced Sensor Integration, Bluetooth Low Energy (BLE) Communication, Bio-signal Processing, Battery Management & Optimization, Wearable User Interface Design, Wearable Device Testing & QA.

SOFT SKILLS

Leadership, Rapid Prototyping, Project Management, Effective Communication, Analytical Thinking, Team Collaboration, Solution-Oriented Mindset.

LANGUAGES

English, Spanish.