

Zohan Marediya

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EDUCATION

University of Texas at Austin

December 2021

Bachelor of Science in Electrical Engineering

Austin, TX

- Graduated with Honors
- GPA: 3.92/4.00
- Focus on Computer Engineering: Computer Architecture and Embedded Systems
- Received University Honors every semester

Houston Community College

May 2019

Associate of Science

Houston, TX

- GPA: 4.00 /4.00
- Received Dean's list every semester

PROJECTS

Artemis Observation System

- Created an environmental data collecting embedded system and a corresponding web application to assess real-time fire risk in remote forest locations.
- Built a responsive web application using React, and integrated Google Map API to display sensor nodes.
- Conducted extensive research on accurate fire risk calculation and developed a working algorithm making use of the collected data, weather API data, and web scrapped data.
- Incorporated DynamoDB for persistent data storage and for history lookup.
- Utilized: Python, Javascript, React, DynamoDB, RESTful APIs, Pycom, LoRaWAN Protocol

SDW

- Created a functioning full-stack web application using a HaaS (Hardware as a Service) model as a proof of concept.
- Co-led and managed project using Agile and Git.
- Responsible for designing and developing all pages, including user-specific pages.
- Assisted with bug fixing, testing, and guaranteed performance quality and responsiveness of the web application.
- Utilized: Python, Flask, Javascript, React, MongoDB

WORK EXPERIENCE

Star Food Mart

April 2020 – March 2022

Assistant Manager

Channelview, TX

- Provided training to new hires and set goals and expectations with employees.
- Supervised and managed 4 employees to ensure all job duties and behaviors and aligned with the store policies.

Star Food Mart

May 2018 – July 2019

Server/Cashier

Fulshear, TX

- Served 50+ customers in a rush hour with absolute accuracy.
- Proactively ordered new supplies by regularly tracking inventory to ensure all items remain in stock for optimal customer satisfaction.

SKILLS

Java	C/C++	JavaScript	Python	HTML
React	CSS	Verilog	OOP	Agile