# Zohan Marediya

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## EDUCATION

**University of Texas at Austin**                                                   **December 2021**
*Bachelor of Science in Electrical / Computer 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 – Present**
*Assistant Manager*                                                                 *Channelview, TX*
- Provided training to new hires and set goals and expectations with employees.
- Supervised and managed 3 employees per shift to ensure all job duties and actions aligned with the store policy.

**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

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