

# Shubh Sheth

## Computer Science Student & Aspiring Software Engineer

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### SKILLS SUMMARY

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- **Languages:** C, C++, Python, JavaScript, Java, PHP, HTML, CSS, SASS, SQL, Typescript
- **Frameworks:** React, Angular, Tkinter, jQuery, Bootstrap, Material UI, WordPress, Laravel, Magento2
- **Technologies:** Docker, Node.js, Git, MongoDB, GraphQL, MySQL, NoSQL, Flask, Express, AWS, GCP, Arduino
- **Additional:** CI/CD, Unit Testing, Chrome Dev Tools, Agile Workflow, Scrum, Kanban, Linux, GitHub, AWS S3

### EDUCATION

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#### University of Houston

Bachelors of Science in Computer Science

Aug 2019 - Dec 2021

GPA: 3.76

**Relevant Courses:** Data Structures, Algorithms, Operating Systems, Software Design, Software Engineering, Computer Networking, Database Systems, IOS App Development, Data Science, Digital Image Processing

### EXPERIENCE

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#### NASA

Software Engineering Intern (Contractor)

Houston, TX

June 2021 - Present

- Interns as a developer in RPL and contributes to building cockpit displays on Orion space capsule.
- Assisted in Flask app development, by re-designing entire front-end UI and improving UX on core functionalities.
- Developed a simulation tool in python to generate documentation images and graphical interface of cockpit displays, resulting in 5x better efficiency compared to it's predecessor.

#### Regex SEO

Full Stack Web Developer

Houston, TX

Oct 2017 - May 2021

- Architected and developed 75+ websites utilizing PHP, JavaScript, jQuery, CSS, Bootstrap.
- Built test case suite and development standards that eliminated 45% of the bugs in all later projects.
- Solely maintained entire company infrastructure (linux based) to host all company and client applications.
- Principle developer on in-house Node.js applications utilizing Twilio and Sendgrid APIs for improved data collection.

### LEADERSHIP EXPERIENCE

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#### CougarCS (ACM Chapter)

Vice President

Houston, TX

May 2021 - Present

- Grew club from 85 to 250+ members through enhanced career development events and 10+ company info sessions.
- Led a technical transition to centralize all organization's online resources to AWS and Cloudflare.
- Collaborated to plan virtual school hackathon (CodeRED Artemis) for 300+ attendees.
- Founded the mock interviewing program to mentor and prepare students for technical coding interviews.

#### CougarCS (ACM Chapter)

Webmaster

Houston, TX

Sept 2020 - May 2021

- Architected an online payment system with Stripe to streamline member registration process and eliminate over 100 hours of manual labor.
- Hosted several computer science workshops over concepts such as AWS, React, Git & GitHub.
- Assembled and mentored a committee of over 15 students to develop CougarCS's React website.
- Technologies worked with: JavaScript, Node.js, React, AWS, Bootstrap, Express

### SELECTED PROJECTS

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#### HomeKit Soil Sensor

June 2021

- Constructed an Arduino based soil sensor that connects with Apple's HomeKit app to send moisture data.
- Programmed the microprocessor to connect to wifi and communicate the sensor data to HomeKit devices.
- Project URL: <https://github.com/shubhsheth/iot-moisture-sensor>

#### E-Commerce Site (femrico.com)

Aug 2020

- Developed a custom WooCommerce website with PHP, which sold \$1000+ worth of products in a month of operation.
- Integrated with Slack API to get order notifications using Cloud Functions.
- Project URL: <https://github.com/Femrico/taffy>

#### Personal Cloud Server

Nov 2019

- Built a Linux web server with a RAID5 disk configuration.
- Uses Docker to run a personal cloud which is ensured by 3 levels of data redundancy.

#### Rubix Music App

Feb 2018

- Built an Angular based front-end with TypeScript to play music from a personal library.
- Paired with a custom backend PHP API to retrieve data from a MySQL database.

#### Pi RoboCar

Sept 2017

- Assembled a robotic car on raspberry pi, uses python for navigation and receiving instructions from a wireless remote.