

# MIHIR SAHU

Houston, Texas, US

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## Education

### College of Natural Sciences and Mathematics, University of Houston

Houston, TX

*Bachelor of Science in Computer Science*

*August 2020 – December 2024*

### C.T. Bauer College of Business, University of Houston

Houston, TX

*Bachelor of Business Administration in Finance*

*August 2020 – December 2024*

## Experience

### BidOut/Breaker19 ↗

Houston, TX

*Project Management Assistant*

*September 2023 – December 2023*

- Directed the product launch of Breaker19 ↗, an oil and gas transportation SaaS, including web and mobile applications
- Oversaw developers and reduced bugs by 30% by conducting code reviews and quality assurance tests
- Designed the user interface of a mobile app for future launch by wireframing 15+ screens on Figma

### Chevron

Houston, TX

*Cloud and Infrastructure Intern*

*May 2023 – August 2023*

- Constructed a full-stack web app with Next.js and TailwindCSS/MantineUI to allow 8,000+ employees to report major incidents with widespread impacts
- Assisted in conducting exploratory work to build an AI model with ServiceNow Incident and Knowledge Base articles, aiming to reduce internal tech support waiting times by 30%
- Prepared a Cloud and Infrastructure learning pathway for employees on an internal learning platform, targeting a 25% improvement in employee training times

### Seatgull

Houston, TX

*Software Engineer*

*February 2022 – October 2022*

- Utilized Rust's Actix framework to create an asynchronous back-end while providing a responsive front-end with React
- Conceptualized a course scheduler with React to connect to 60+ universities with over 850,000 students
- Headed marketing and lead generation by posting on 20+ subreddits and working with 50+ influencers on Instagram

## Activities

### CougarCS ↗

Houston, TX

*President*

*December 2022 - December 2023*

- Led a team of 16 officers for the largest computer science organization at the University of Houston to manage operations, organize events, and partner with industry leaders to provide upskilling, internship, and job opportunities for 1000+ students each semester

*Director of Information Security*

*December 2021 - December 2022*

- Organized a team of 20 to compete against over 50 universities in capture-the-flag competitions by using 15+ penetration testing tools, including Metasploit and Burp Suite
- Facilitated the creation of 3 workshops to teach students about cybersecurity concepts, resulting in 50+ joining the cybersecurity team

## Projects

### Recharge ↗ | TypeScript, React Native, Figma, Actix, MariaDB, Amazon Web Services

**June 2022 – August 2022**

- Developed a full stack mobile app for the University of Houston community to find activities around campus
- Designed 10+ mobile app pages using Figma for a seamless user experience
- Utilized React Native with custom styling components for front-end development and Actix for back-end development

### Home Lab ↗ | Docker, Python, Plex, Wireguard, Tailscale, Pi-Hole, etc.

**August 2021 – Present**

- Architected a Linux server on a Raspberry Pi to self-host services on a home network
- Operated Portainer and Docker to organize and host 20+ containers organized into 3 stacks with 10 volumes in total

## Technical Skills

**Languages:** Python, C/C++, HTML/CSS, JavaScript, TypeScript, SQL

**Technologies:** React, Node.js, TailwindCSS, MySQL, MariaDB, Supabase

**Cloud Platforms:** Amazon Web Services, Microsoft Azure

**Certifications:** Certified SFA 6 Practitioner, Microsoft Certified: Azure Fundamentals