

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

December 2024

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

Houston, TX

Bachelor of Business Administration in Finance

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 to allow 8,000+ employees to report incidents with widespread impacts
- Conducted research to build an AI model on ServiceNow, aiming to reduce tech support waiting times by 30%
- Prepared a Cloud and Infrastructure learning pathway for employees, targeting a 25% improvement in 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

Leadership

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
- Coordinated with university officials to represent the student body to companies such as Google and Electronic Arts
- Partnered with over 10 companies to provide upskilling and employment opportunities for 1,000+ students each semester

Director of Information Security

December 2021 - December 2022

- Established the Information Security chapter, giving over 1,700 students the opportunity to learn about cybersecurity
- Organized a team of 20 to compete against 50+ universities in capture-the-flag competitions by using 15+ security tools
- Facilitated the creation of 3 workshops to teach students about security concepts, resulting in 50+ joining the 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
- Implemented network-wide analysis using Pi-Hole and blocked ~9.41% of total DNS queries to ad and tracking servers
- 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

Frameworks: React, Node.js, TailwindCSS, MySQL, MariaDB, Supabase

Developer Tools: Git, Amazon Web Services, Microsoft Azure

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