

# Shayaan Qureshi

(832)-732-7082 | [shayaanqureshi25@gmail.com](mailto:shayaanqureshi25@gmail.com) | [linkedin.com/in/shayaanqureshi](https://www.linkedin.com/in/shayaanqureshi) | [github.com/shayaanq](https://github.com/shayaanq)

## EDUCATION

### University of Houston

Houston, TX

*Bachelor of Science in Computer Science, Minor in Mathematics – GPA: 3.5/4.0*

*Graduation Date: Dec 2026*

Relevant Coursework: Data Structures, Algorithms, Operating Systems, Databases, Software Design, Data Science

*Dean's Distinguished Scholars List (Top 15%)*

*2023 – Present*

## EXPERIENCE

### Tutor

July 2023 – Present

*Knack, University of Houston*

*Houston, TX*

- Tutored over 10 courses including Data Structures & Algorithms, Calculus I & II, Introduction to C++, and Computer Organization & Architecture
- Achieved a 5-star rating with 250+ hours of tutoring through clear explanations of complex technical concepts
- Provided personalized academic support, improving student comprehension and exam performance

### Executive Board Member (Technical Operations)

Aug 2024 – Present

*Sigma Alpha Epsilon, University of Houston*

*Houston, TX*

- Designed and maintained a full-stack internal operations platform supporting 40+ users, handling live payments, authentication, and event workflows
- Led operational coordination across executive leadership to support chapter-wide systems and workflows
- Coordinated fundraising and philanthropic initiatives, increasing funds raised by 20%

### Officer

Aug 2023 – July 2024

*CougarCS, University of Houston*

*Houston, TX*

- Planned and executed coding competitions, hackathons, and technical workshops
- Organized guest speaker and networking events with industry professionals
- Contributed to a 15% increase in club membership through outreach initiatives

## PROJECTS

### SAE Chapter Operations Platform | *Full-Stack Fraternity Management System*

[GitHub Repository](#)

- Built and deployed a production-grade operations platform used by 40+ active members to manage payments, events, and internal workflows
- Designed and implemented role-based access control supporting members and executive officers with permission-based dashboards
- Developed Flask REST APIs with SQLAlchemy models and deployed backend services and database on DigitalOcean; integrated Zeffy for live payments

### CasualConf | *Video Conferencing App*

[GitHub Repository](#)

- Developed a video conferencing platform supporting real-time sessions with authentication and live media streaming
- Integrated Clerk authentication and GetStream API for real-time meeting functionality

### SynthSpeak | *AI ChatBot*

[GitHub Repository](#)

- Built a conversational AI chatbot using the OpenAI API for context-aware real-time dialogue
- Leveraged Next.js for server-side rendering and efficient API routing

## TECHNICAL SKILLS

**Programming Languages:** Python, JavaScript, TypeScript, Java, C++, C#, SQL, Bash

**Frameworks & Libraries:** React, Node.js, Flask, Next.js, REST APIs, Pandas, NumPy, scikit-learn

**Databases:** PostgreSQL, MySQL, MongoDB, SQLite, Firebase

**Cloud & DevOps:** Git, GitHub, Docker, CI/CD (GitHub Actions), DigitalOcean, AWS, GCP

**Tools & Platforms:** Linux/Unix, Postman, OpenAI API, Clerk