

Shayaan Qureshi

(832)-732-7082 | shayaanqureshi25@gmail.com | linkedin.com/in/shayaanqureshi | github.com/shayaanq

EDUCATION

University of Houston	Houston, TX
<i>Bachelor of Science in Computer Science, Minor in Mathematics – GPA: 3.5/4.0</i>	<i>Graduation Date: Dec 2026</i>
Relevant Coursework: Data Structures, Algorithms, Operating Systems, Databases, Software Design, Data Science	
<i>Dean's Distinguished Scholars List (Top 15%)</i>	<i>2023 – Present</i>

EXPERIENCE

Tutor	July 2023 – Present
<i>Knack, University of Houston</i>	<i>Houston, TX</i>
– 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
<i>Sigma Alpha Epsilon, University of Houston</i>	<i>Houston, TX</i>
– 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
<i>CougarCS, University of Houston</i>	<i>Houston, TX</i>
– 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 <i>Full-Stack Fraternity Management System</i>	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 <i>Video Conferencing App</i>	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 <i>AI ChatBot</i>	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