OMKAAR SHENOY

omkaarshenoyos@gmail.com | omkaarshenoy.github.io | +1 341-345-7209

EDUCATION

B.S. in Computer Science, Arizona State University, Tempe, AZ — **GPA: 4.00**
Minor in Media Arts and Sciences — May 2025 (expected)
Relevant Coursework: Data Structures, Artificial Intelligence, Theoretical Computer Science, Software Engineering

WORK EXPERIENCE

Software Engineering Intern, *WebstaurantStore* — Lititz, PA | May 2024 – Present
- Developed multi-step automation scripts using **Java**, reducing manual testing time by **40%** and increasing test accuracy.
- Implemented and maintained the in-house automation framework integrating **Selenium Grid**, enabling parallel test execution and reducing test cycle time by **50%**.
- Authored complex **SQL** queries to extract and analyze critical data, improving data-driven decision-making and reducing post-release defects by **30%**.

Automation Engineer, *Media Relations @ ASU* — Tempe, AZ | Nov 2023 – Present
- Scripted automated workflows with **JavaScript**, resulting in a **40%** reduction in manual effort and a **30%** improvement in content delivery timelines across 5+ departments.
- Engineered and fine-tuned databases for the ASU Flagship and Public Relations team, optimizing efficiency and facilitating seamless collaboration.

Software Developer Intern, *National Public Radio* — Washington, DC | Jun 2022 – Aug 2022
- Launched iOS Smart Banners on all **npr.org** pages using **PHP**, deploying the feature to **over 50 million** monthly NPR users and resulting in a **10%** increase in NPR One App usage.
- Enhanced company **SEO**, **UI**, and **UX** by developing and launching the NPR One app product page utilizing **HTML5**, **CSS**, and **JavaScript**.
- Collaborated using **Git** and **Jira**, and utilized **Docker** and **Kubernetes** for efficient handling of traffic in production environments.

PROJECTS

Medharbor — Personal Project
React, Express.js, MongoDB
- Led end-to-end development of a universal medical record database, employing **React**, **Express.js**, and **MongoDB** to ensure a secure, scalable, and responsive interface.
- Engineered robust APIs for efficient and secure data storage and retrieval, addressing medical record accessibility issues to enhance patient-physician collaboration.

HackKit — Open Source Project by ACM UTSA
Next.js, PostgreSQL
- Built a points system for HackKit, utilized by **500+** participants at hackathons, reducing response times by **40%** through the development of new features with **Next.js** and management of data in **PostgreSQL**.
- Collaborated with a team to redesign the app's structure, improving user engagement by **25%** and providing a smoother experience for all participants.

SuperTutor
Team Member
- Integrated **OpenAI's ChatGPT** to provide real-time tutoring and feedback, enhancing interactive learning and user support.
- Developed **AAA-compliant** accessibility features, including text-to-speech and customizable UI options, ensuring inclusive access for users with disabilities.
- Designed and deployed a **LaTeX-based** interactive course creation tool, enabling community-driven content development and expanding available learning materials.

LEADERSHIP

Director, *sunhacks*
Spearheaded the planning and execution of sunhacks, Arizona's largest student-run hackathon with 1300+ registrations and 600+ participants, overseeing all aspects including event coordination, sponsor engagement, and team management, leading to increased participant engagement by 130%.

Undergraduate Teaching Assistant, *Engineering Class*
Assisted in teaching an undergraduate engineering course, including developing and delivering lecture content, grading assignments, and providing one-on-one support to students, supporting upwards of 250 students.

TECHNICAL SKILLS

Languages and Frameworks: Java, Python, C++, HTML, CSS, JavaScript, MySQL, Angular, MongoDB
Tools: AWS, Figma, Git, GitHub, Windows, macOS, Excel, Airtable, LaTeX, Tableau