Omkaar Shenoy

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Education

B.S. in Computer Science   GPA 4.00 | May 2025 (expected)
Arizona State University   Tempe, Arizona
Minor in Media Arts and Sciences
Relevant Coursework: Data Structures, Artificial Intelligence, Theoretical CS, 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, allowing the team to prioritize high-impact tasks and improve overall efficiency.
- Implemented and maintained the in-house automation framework integrating **Selenium Grid**, enabling parallel test execution and reducing test cycle time by **50%** establishing a scalable test infrastructure.
- Authored complex **SQL queries** to extract and analyze critical data, improving data-driven decision-making and reducing post-release defects by **30%** through the identification of critical bugs, enhancing product quality and reliability.

Automation Engineer, *Media Relations @ ASU*   Tempe, AZ | November 2023 - Present

- Scripted innovative 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 among team members.

Software Developer Intern, *National Public Radio*   Washington, DC | June 2022 - August 2022

- Launched iOS Smart Banners on all npr.org pages using **PHP**, and deployed the feature to **over 50 million monthly** NPR users, resulting in a **10% increase** in NPR One App usage.
- Improved company SEO, UI and UX by developing and launching the NPR One app product page utilizing **HTML5, CSS, and JavaScript** for a dynamic and responsive user interface.
- Mastered collaboration with **Git and Jira**, and utilized **Docker and Kubernetes** for efficient handling of traffic in production, successfully building and testing in various QA environments.

Projects

SuperTutor | React.js, FastAPI   *Hackathon Winner*

- Developed an interactive **LaTeX-based** course creation tool using **React.js** and **FastAPI**, winning a hackathon for its community-driven development features and expanding available learning materials.
- Enhanced accessibility with **AAA-compliant** features, including text-to-speech and customizable UI options, ensuring inclusive learning support and real-time tutoring through **OpenAI's API** integration.

HackKit | Next.js, PostgreSQL   *Open Source Project by ACM UTSA*

- Built a points system for HackKit, used by over 500 participants at hackathons, by developing new features with **Next.js** and managing data in **PostgreSQL**, which reduced response times by 40%.
- Worked with a team to redesign the app's structure, making it more efficient and improving user engagement by 25%, providing a smoother experience for all participants.

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 to 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