Omkaar Shenoy

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Education

Arizona State University   Tempe, AZ | May 2025 (expected)
B.S in Computer Science, Minor in Media Arts and Sciences   GPA: 4.00

Work Experience

WebstaurantStore   Remote | May 2024 - Present
Jr Software Engineer

- 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 analyze critical data, improving data-driven decision-making and reducing post-release defects by **30%** through the identification of critical bugs.

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

- 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.

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

- 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*

- Built an interactive **LaTeX-based course tool** with **AAA-compliant accessibility** (text-to-speech, customizable UI) and **OpenAI API integration**, winning a hackathon by enhancing community-driven learning resources.

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

- Contributed to **open source development** by creating a **points system** used by hackathons across America with **Next.js** and **PostgreSQL**, reducing response times by 40% and boosting user engagement by 25%.

Leadership

Director, *sunhacks*
Led Arizona's largest hackathon, managing logistics, sponsor relations, and team operations, boosting engagement by 130%.

Undergraduate Teaching Assistant, *FSE404, Engineering Class*
Supported 250+ students through lecture delivery, assignment grading, and personalized guidance.

Technical Skills and Coursework

Coursework: Data Structures, Algorithms, Operating Systems, Database Systems, Software Engineering, Web Development
Tools: Python, Java, JavaScript, TypeScript, SQL, React, Node.js, Next.js, Express, HTML, CSS
Databases: MongoDB, MySQL, PostgreSQL, AWS (EC2, DynamoDB, Lambda, S3), Git, Docker, Cypress
Other Skills: REST APIs, Full-Stack Development, Agile Methodologies, Test Automation, SEO Optimization, UI/UX Design