

# OMKAAR SHENOY

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## EDUCATION

**B.S in Computer Science**, Minor in Media Arts and Sciences  
Arizona State University

May 2025 (expected)  
Tempe, AZ | GPA: 4.00

## TECHNICAL SKILLS AND COURSEWORK

**Coursework:** Data Structures, Algorithms, Operating Systems, Database Systems, Software Engineering, Web Development, Artificial Intelligence, Data Visualization, App Development

**Tools:** Python, Java, JavaScript, TypeScript, SQL, React, Node.js, Next.js, Express, Swift, 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, UI/UX Design

## WORK EXPERIENCE

**Jr Software Engineer**, *WebstaurantStore*

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

**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

**Medharbor** | **React, Express.js, MongoDB**

Personal Project

- Led end-to-end development of a **universal medical record database** with **React, Express.js, and MongoDB**, providing secure, scalable, and responsive solutions for enhancing **patient-physician collaboration** through efficient data accessibility.

**SuperTutor** | **React.js, FastAPI**

*HackSoDa Winner* | October 2024

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

**HackKit** | **Next.js, PostgreSQL**

*Open Source Project by ACM UTSA* | August 2024

- 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**, *Engineering Projects in Community Service (EPICS)*

- Supported 250+ students through lecture delivery, assignment grading, and personalized guidance.