OMKAAR SHENOY

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EDUCATION

B.S. in Computer Science   GPA 4.00 | May 2025 (expected)
Arizona State University   Tempe, Arizona
Relevant Coursework: Object-Oriented Programming and Data Structures, Digital Design, Calculus 1 and 2

WORK EXPERIENCE

Junior Software Developer Intern, *National Public Radio*   June 2022 - Present
- Researched and implemented iOS Smart Banners on all npr.org pages using PHP, and deployed the feature to over 50 million monthly NPR users leading to an increase in NPR One App usage.
- Collaborate with designers and use Agile development processes to develop and release the product page for the NPR One app using HTML, SCSS and Javascript.
- Fix bugs around the website that caused images to render incorrectly and increase visual aesthetic by applying custom CSS on the media server side.

Teaching Assistant, *FSE 404 - Engineering Projects in Community Service*   January 2022 - Present
- Assist over 50 students every week to make progress on their project, prepare for pitch competitions, and meet deadlines with results. Guided students on programming concepts and good implementation of code.
- Host two hour long skill sessions for 100+ students on how to develop technical skills like Java and how to use Tableau.

Workshop Host and Outreach Member, *hACCESS*   June 2020 - July 2020
- Hosted Python Workshops over Zoom for over 50 people and answered questions.
- Reached out to 10+ companies and organizations via Email for potential sponsorship opportunities and received positive responses.

PROJECTS

Tiny Desk Visualization, *NPR Serendipity Days*   July 2022
- Created a three-dimensional visualization of the history of NPR Tiny desk using Three.js for NPR's monthly Serendipity Days event and presented it to the Digital Media department.
- Collaboated virtually with a team to collect, clean and analyze data from the last 13 years of Tiny Desk concerts.

Diabetes Predictor, *Personal Project*   February 2022
- Applied the RandomForestClassifier algorithm to train a Machine learning model to predict the possibility of onset of diabetes based on factors like Age, Insulin levels, and genetics.
- Used Streamlit to build, display statistics and visualizations and host this model online.

Memory Glass, *Engineering Projects in Community Service*   August 2021 - May 2022
- Designed webapp in Figma and coordinated with team to build a functional prototype webapp with React, Typescript, and Bootstrap in less than 2 weeks, in time for a pitch competition.
- Integrated AWS and MySQL with the webapp for users to be able to sign in and interact with external hardware.

Maze Traversing Autonomous Car, *FSE100 Class, ASU*   September 2021 - December 2021
- Designed and deployed a self-driving car that can navigate through any given configuration of a maze in under 2 minutes, and respond to color cues to start, pause and stop the car, as well as pick up and drop off passengers.
- Devised the algorithm, and leveraged MATLab to program the car, and set up external sensors while working with a team to meet strict weekly deadlines.

LEADERSHIP

Intramural Nightly Manager and Desk Supervisor, *Sun Devil Fitness Centre*   August 2021 - Present
- Officiated 100+ intramural games, managed upto 15 intramural matches per night, and ensured emergency situations were assisted quickly while implementing emergency care procedures as needed.
- Record and verify game scores and referee whistle points for 80+ referees to ensure smooth functioning of the intramural games. Respond to 15+ emails and phone calls daily and provided customer care to patrons.

CEO and CHRO, *EduVisa*   March 2020 - August 2021
- Led 8 departments and worked with the executive team to grow the organization to a community of 3500 members. Responsible for orchastrating 25+ events, setting up registrations, and collecting post-event feedback.
- Devised an automated workflow to recruit 100+ tutors, effectively assign over 500 students to their tutors and maintained a database using Airtable, MailChimp, Zapier and Excel.

TECHNICAL SKILLS

Languages and Frameworks: Java, HTML5, CSS3, Javascript, Typescript, React, Redux, MySQL
Tools: AWS, Figma, Git, Github, Windows, MacOS, Excel, Airtable, LaTeX, Tableau

EXTRACURRICULARS

Student Clubs: CodeDevils, Software Developers Association, Sun Devil Data Science, AI Club
Hackathons: Sunhacks, Devils Invent