Omkaar Shenoy

(341)-345-7209 · omkaarshenoyos@gmail.com · github.com/omkaarshenoy · omkaarshenoy.github.io

Education

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

Work Experience

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

- 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 a 10% increase in NPR One App usage.
- Collaborated with designers and followed Agile development processes to develop and deploy the product page for the NPR One app using HTML, SCSS and Javascript.
- SSHed into servers to upload new image assets, perform e-commerce republishing and run data migration scripts.
- Learned processes of development like collaborating with Git, using DevOps systems and building to different environments for QA testing.

Teaching Assistant, *FSE* 404 - *Engineering Projects in Community Service* January 2022 - Present

- Assisted 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 for their projects, good implementation of code, and preparing design documents.
- Hosted two hour long skill sessions for 100+ students on how to develop technical skills like Java and how to use Tableau.

Projects

Tiny Desk 3D Visualization July 2022

- Created a three-dimensional visualization of the history of NPR Tiny desk using Three.js for NPR's internal hackathon 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 February 2022

- Applied the RandomForestClassifier algorithm, and used Python and pandas 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 August 2021 - May 2022

- Designed webapp in Figma and coordinated with team to build a functional prototype webapp with React, Typescript, and Node.js in less than 2 weeks, in time for a pitch competition.
- Integrated MySQL with the webapp for users to be able to sign in and interact with external hardware.

Maze Traversing Autonomous Car 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 Manager, *Sun Devil Fitness Centre* August 2021 - Present

- Managed upto 15 intramural matches and 10+ referees per night, and ensured emergency situations were assisted quickly while following emergency care procedures and implementation of CPR and First-Aid, if needed.
- Devised a system to record and verify referee whistle points using Airtable and Zapier. Responded to emails and phone calls and provided customer care to patrons.

Technical Skills

Languages and Frameworks: Java, Python, HTML, SCSS, Sass, 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