

OMKAAR SHENOY

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EDUCATION

B.S. in Computer Science

Arizona State University

Minor in Statistics

GPA 4.00 | May 2025 (expected)

Tempe, Arizona

WORK EXPERIENCE

Software Developer Intern, *National Public Radio*

June 2022 - August 2022

- Led the research and development of 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.
- Mastered collaborating with Git and Jira, employed DevOps systems such as Docker and Kubernetes to containerize the application, make it more portable and efficient to deploy and to handle heavy traffic in production, and successfully built and deployed to various 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.
- Collaborated 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.
- Utilized 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 a maze, and respond to color cues.
- 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.

TECHNICAL SKILLS

Languages and Frameworks: Java, Python, C++, HTML, SCSS, Javascript, React, MySQL

Tools: AWS, Figma, Git, Github, Windows, MacOS, Excel, Airtable, L^AT_EX, Tableau