Yash Ramesh Shelar

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SUMMARY

A Passionate Computer Science student with perceptive **Leadership**, Mentoring, and **Communication** Skills. Interested in Programming, **Math**, Logic, and Design to find better problem-solving patterns, seeking **internship/ full-time** job opportunities in Spring/ Summer 2023

EDUCATION

B.S. Computer Science | M.S. Computer Science   Expected Dec 2023

Arizona State University, Tempe, AZ   **Cumulative GPA:** 3.92 GPA

- New American **University Scholar**
- **Dean's List** Fall'19, Spring'20, Fall'20, Spring'21, Fall'21, Spring'22

Relevant Coursework:

Data Structures & Algorithms, Object-Oriented Program & Data, Intro to **Software Engineering**, Principles of Programming Language, **Artificial Intelligence**, Social Media Mining, **Distributed Database Management**, Principles of Mobile App Development, **Distributed Software Development**

TECHNICAL SKILLS

Programming Languages: **Java**, JavaFX, **C/C++**

Front-End: HTML, CSS, **JavaScript,** React.JS, Swift, Axure RP

Tools, Databases, and OS: Git, **GitHub**, **PostgreSQL**, VSCode, Windows, MacOS, Linux

RELEVANT PROJECTS

Time Based Complex Data Visualization Tool, *ASU CompSci Department*   01/2022 – Present

- Developed a Web application to extract and display complex **time series** data to draw valuable
- **Collaborated** on a team of 4 and used technologies like Heroku**, PostgreSQL** for database and **Java**, D3, Bootstrap, and JavaScript in Back/ Frontend

Educ, *iOS Mobile Application*   08/2022 – Present

- Designed and developed an entire iOS application with **SwiftUI**, UIStoryboard, and Firebase to create a delightful user experience for users to improve their vocabulary preparing for SAT and other tests
- Utilized **storyboarding** to implement the UI, Geocoder/ Decodable for **API calls,** and Firebase to store user info

Fake News Detection, Academic Project   09/2022 – Present

- Implemented 3 **Supervised** Learning models to classify labels of a fake news dataset with **84.507%** Accuracy
- Utilized **pandas, sklearn**, and other software libraries for **data manipulation**, preprocessing, and classification

Path Visualization, *Personal Project*   09/2022 – Present

- Building a Pathfinding algorithm visualizer to learn and understand **Algorithms** in a unique manner
- Implementing 4 different algorithms including **Dijsktra's**, BFS, DFS, and **A* Search** algorithm using React.JS, **JavaScript** for functionality, and CSS for visualization effects

WORK EXPERIENCE

Lead Tutor (University Academic Success Program)   02/2021 – Present

- Led one-on-one tutoring sessions helping **1000+** students improve their knowledge in crucial Programming and calculus concepts using **interactive** review sessions
- Mentored colleagues utilizing direct and indirect **teaching techniques** to match student's learning pace

Teaching Assistant, CSE110: Arizona State University, Tempe, AZ   08/2021 – 11/2021

- Hosted review session, and office hours to assist **240** Computer Science students with Key Java concepts including **Object-Oriented Programming**, Searching, Sorting, big O notations and File I/O

EXTRACURRICULAR EXPERIENCE

Software Developers Association, Tempe, AZ   08/2020 – Present

- Attended weekly meetings, seminars, and workshops related to **Web development**, and Software Engineering concepts resulting in **high productivity**, more experience, and networking with 100+ professionals