

# 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 **Dijkstra'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 of 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 sessions, 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