Yashwant Gadhave

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Education

Bachelor of Science in Computer Science – May 2025
Arizona State University; Tempe, AZ ***GPA: 3.94/4.00***

Technical Skills

Languages: Java, JavaFX, JavaScript, C/C++, Python, HTML, Scheme, SQL, Bash, Node.js, ReactJs.
Developer Tools: GitHub, VS Code, IntelliJ, Eclipse, Docker, Bitbucket
Distributed Systems: Scalable systems, Elasticsearch.
Relevant coursework: CSE 205: Object-Oriented Programming & Data, CSE 330: Operating Systems, CSE 360: Introduction to Software Engineering, CSE 412: Database Management, CSE 464: Software QA and Testing, IEE 380: Probability and Statistics for Engineering Problem Solving, MAT 243: Discrete Math Structures, EEE/CSE 230: Computer Organization & Assembly Language Programming, CSE 340: Principles of Programming Languages, CSE 469: Computer and Network Forensics
Honor : Dean's List Recognization for academic excellence in 6 out of 7 semesters (Fall 2021–Fall 2024).

Experience

Undergraduate Teaching Assistant
Arizona State University *Tempe, AZ*
- EEE120: Digital Design, CSE360: Software Engineering, CSE365: Cybersecurity
- Supported students across courses in Cybersecurity (CSE365), Software Engineering (CSE360) and Digital Design (EEE120), combining in-person and virtual assistance to enhance their learning experience.
- Led Python and SQL coding sessions for 150+ students to solve distributed systems challenges.
- Guided students on algorithms, database design and software engineering best practices.
- Fostered collaboration through tutorials and project support across cybersecurity and software domains.

C2 Camp Counselor, E2 Camp – Summer 2024
Arizona State University *Tempe, AZ*
- Led and coordinated 30–40 engineering students in activities to foster problem-solving, critical thinking and inclusivity.
- Resolved issues and promoted inclusivity, enhancing the experience for over 150 participants in several camps over summer.
- Developed leadership, communication and adaptability in a dynamic and fast-paced environment.

Projects

Capstone Project: Mobile Addiction Recovery System
| *React Native, OpenStack (Rumble Cloud), MySQL, ElasticSearch, Docker, Elysia, Bun, Bitbucket.* – Fall 2024
- Implemented reusable React Native components, enhancing code maintainability by 25%.
- Refactored the app header into a global component to ensure consistency and scalability across the application.
- Facilitated front-end to back-end integration using Elysia for seamless data flow.
- Integrated MySQL for efficient data storage and Elasticsearch for seamless search to support 1,000+ concurrent users.
- Conducted usability testing and code reviews to improve user experience and reliability.

EffortLoggerV2 | IDE: *Eclipse;* Languages: *Java, JavaFX* Fall 2023
- Enhanced app efficiency by 30% through user feedback-driven JavaFX improvements.
- Refined functionality from EffortLoggerV1, focusing on usability and responsiveness.
- Collaborated with a team using Agile methodologies over a 4-month period to design, develop and test the application.

Sunrise Project | *ReactJS, Figma, Microsoft 365, Google Docs.* Spring 2022 – Fall 2022
- Developed a mental health app, boosting community support and engagement by 40% in the Hopi Tribe, Arizona.
- Led documentation efforts to streamline project communication through comprehensive reports and presentations.
- Researched React Native and Flutter to optimize the technology stack and improve app functionality.

Additional Projects

Brink Buster Clone | *p5*js* Spring 2022
- Designed a Brick Breaker game prototype, enhancing engagement through dynamic sound and visual effects.
- Boosted user satisfaction and feedback by 40% with an intuitive interface and immersive gameplay features.
- Developed a user-friendly interface, enabling players to achieve higher scores, enhancing user experience.

Research

Future Solutions Research | *GCSP(Grand Challenge Scholars Program)* Fall 2021
- Designed a sustainable hydrogen fuel storage prototype, potentially reducing carbon emissions by 20% and advancing sustainable aviation research.

Cloud Computing Security Research | *GCSP(Grand Challenge Scholars Program)* Spring 2023
- Authored a paper on distributed data security, potentially reducing data leaks by 15% and improving data integrity by 10%.