

# Yashwant Gadhav

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## EDUCATION

### Arizona State University

Aug 2021 - May 2025

*Bachelor of Science, Computer Science*

- **GPA:** 3.96/4.00
- **Achievements:** Graduated Summa Cum Laude with a cumulative GPA of 3.96/4.00., Consistently recognized for academic excellence with Dean's List honors in 7 out of 8 semesters (Fall 2021 – Fall 2024).
- **Coursework:** Operating Systems, Distributed Systems, Database Management, Computer Organization & Assembly Language, Software QA & Testing, Probability & Statistics, Programming Languages

## EXPERIENCE

### Tech Diversified

Aug 2024 - May 2025

*Software Engineering Intern*

Tempe, AZ

- Developed a scalable authentication system using Material UI to enhance user session security and maintain robust access protocols.
- Designed and optimized state management for dynamic UI views, contributing to smooth performance across mobile and desktop platforms while collaborating with cross-functional teams.
- Refactored React Native components to increase reusability by 25% and simplify API integration, ensuring maintenance of high code quality through comprehensive reviews.
- Enhanced authentication security by integrating JWT and OAuth, reducing vulnerabilities by 40% and bolstering system reliability.
- Implemented backend data management using MySQL, Elasticsearch, and Docker, aligning with modern Agile development practices.

### Arizona State University

Jan 2023 - Dec 2024

*Undergraduate Teaching Assistant*

Tempe, AZ

- Instructed courses including Digital Design, Software Engineering, and Cybersecurity, emphasizing clean, well-documented coding practices and object-oriented design.
- Mentored over 150 students in Python and backend system scalability, fostering problem-solving skills and effective communication.
- Led hands-on debugging sessions that reduced common coding errors by 50%, contributing to higher levels of software quality.
- Assisted students with API development, and troubleshooting distributed applications, reinforcing Agile and Scrum methodologies.
- Conducted detailed tutorials on algorithms and best practices in software engineering to prepare students for real-world challenges.
- Facilitated project-based learning that improved student success rates by 50% through practical application of data structures and algorithm concepts.

## TECHNICAL PROJECTS

### EffortLoggerV2

Aug 2023 - Dec 2023

- Developed an automated defect tracking system reducing resolution time by 30% through real-time issue logging.
- Optimized JavaFX UI components to improve efficiency and responsiveness by 25%.
- Implemented secure MySQL indexing techniques to reduce query execution time by 40% which enhanced database performance.
- Collaborated with an Agile team to refine user workflows and enhance security measures to support 200+ active users.

### Uber Data Analysis

Aug 2024 - Dec 2024

- Optimized Uber trip routing and reduced inefficiencies by 25% through big data analysis.
- Built and optimized RESTful APIs for real-time ride analytics, integrating Apache Spark to process large datasets faster.
- Integrated Apache Spark for distributed data processing and improved query execution speed by 2.5x.
- Developed a low-latency REST API for real-time ride analytics to help reduce response times by 30%.

## TECHNICAL SKILLS

- **Languages:** Java, JavaScript (React, Node.js), Python, C++, SQL, Bash
- **Web & Cloud:** REST APIs, OAuth, JWT, Docker, Kubernetes, AWS (EC2, S3, Lambda)
- **Big Data & Distributed Systems:** PostgreSQL, MySQL, Elasticsearch, Apache Spark
- **Frameworks & APIs:** Spring Boot, Flask, FastAPI, GraphQL, gRPC
- **Relevant Coursework:** Operating Systems, Distributed Systems, Database Management, Computer Organization & Assembly Language, Software QA & Testing, Probability & Statistics, Programming Languages
- **Best Practices & Tools:** Version Control Systems, Software Development Methodologies, Data Structures, Algorithms, Object-Oriented Design

## LEADERSHIP & OUTREACH

### Arizona State University

2024

*C2 Camp Counselor, E2 Camp*

- Facilitated team-based engineering challenges for 150+ students at ASU's E2 Camp to strengthen collaboration, inclusivity and adaptability.