

Yashwant Gadhave

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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, enhancing user session security and maintaining access protocols, resulting in improved system reliability
- 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

Smart Grocery Assistant

Oct 2024 - Dec 2024

- Architected and developed a full-stack web application using Next.js, React, JavaScript, and Tailwind CSS, implementing mobile-first design principles for optimal responsiveness and user experience.
- Designed and optimized PostgreSQL database schemas and implemented Prisma ORM for efficient data modeling, ensuring robust CRUD operations with minimal latency.
- Engineered secure JWT-based authentication, input validation, and error handling, enhancing data integrity and application reliability.
- Built dynamic data visualization dashboards using Recharts, providing interactive insights and real-time pantry analytics.
- Managed version control with Git/GitHub and deployed a production-ready build to Vercel, ensuring scalability and performance.

Evolution of Music Analysis

Aug 2024 - Dec 2024

- Developed an interactive React + D3.js web application to explore audio trends and genre influence from 15K+ music tracks
- Designed and implemented reusable React components with D3.js for rendering dynamic charts, timelines, and network graphs.
- Engineered scalable data-binding logic to support smooth interaction with thousands of DOM elements across multiple visualizations
- Processed and transformed raw .csv datasets using Python for frontend ingestion, enabling real-time filtering and genre-specific insights
- Applied performance optimization techniques, including memoization and throttled rendering, to maintain smooth user experience

TECHNICAL SKILLS

- **Languages & OS:** Java, JavaScript (React, Node.js), Python, C++, SQL, Bash, Ubuntu/Linux
- **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.