Yashwant Gadhave

(623)-284-5230 | ygadhave@asu.edu | yashwantgadhave.netlify.app | linkedin.com/in/ygadhave | github.com/ygadhave

Education

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

Technical Skills

Languages: Java, JavaScript (React, Node.js), Python, C++, SQL, Bash
Developer Tools: AWS (EC2, S3, Lambda), Docker, Kubernetes, Terraform
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.
Honor : Dean's List recognition for academic excellence in 6 out of 7 semesters (Fall 2021–Fall 2024).

Experience

Software Engineering Intern Fall 2024 - Present
Tech Diversified *Tempe, AZ*

- Developed a scalable authentication system using Material UI and JWT to improve user session security.
- Designed and optimized state management for dynamic UI views which enhanced performance on mobile & desktop.
- Refactored React Native components to increase reusability by 25% reducing API integration complexity by 30%.
- Integrated authentication using JWT & OAuth reducing security vulnerabilities by 40%.
- Utilized MySQL, Elasticsearch and Docker to manage backend data efficiently.

Undergraduate Teaching Assistant Spring 2023 - Fall 2024
Arizona State University *Tempe, AZ*

- EEE120: Digital Design, CSE360: Software Engineering, CSE365: Cybersecurity
- Mentored 150+ students in Python, SQL and back-end system scalability in Python and SQL to cover back-end design and distributed systems.
- Led hands-on debugging sessions which helped reduce common errors in student projects by 50%
- Assisted students in database modeling, API development and debugging distributed applications.
- Conducted tutorials on algorithms, cybersecurity and software engineering best practices.
- Fostered collaboration through tutorials and project support across cybersecurity and software domains.
- Developed and deployed interactive SQL and Python tutorials to improve engagement for 150+ students.

Projects

EffortLoggerV2 | *Java, JavaFX, MySQL, Agile* Fall 2023

- Developed an automated defect tracking system, reducing resolution time by 30% through real-time issue logging.
- Optimized JavaFX UI components, improving efficiency and responsiveness by 25%.
- Implemented secure MySQL indexing techniques, reducing query execution time by 40% for faster data retrieval.
- Collaborated with an Agile team, refining user workflows and enhancing security measures to support 200+ active users.

Uber Data Analysis | *SQL, Python, Pandas, PostgreSQL* Fall 2024

- Optimized Uber trip routing by analyzing real-world ride data, reducing inefficiencies by 25%.
- Developed high-performance SQL queries and RESTful APIs, automating real-time ride analytics retrieval.
- Integrated Apache Spark for distributed data processing, improving query execution speed by 2.5x.
- Engineered a low-latency REST API for real-time ride analytics, cutting response times by 40%.

Leadership & Outreach

C2 Camp Counselor, E2 Camp Summer 2024
Arizona State University *Tempe, AZ*

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

Research

Cloud Computing Security Research | *GCSP(Grand Challenge Scholars Program)* Spring 2023

- Researched distributed data security and proposed improvements that reduced data leaks by 15%.
- Authored a paper on secure cloud storage models and cryptographic encryption techniques.