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, JavaScript, Python, C++, SQL, Bash
Developer Tools: Git, Docker, Kubernetes, Elasticsearch, REST APIs
Distributed Systems: Scalable systems, Cloud Infrastructure, Storage Systems, API Design
Relevant coursework: Operating Systems, Distributed Systems, Database Management, Computer Organization & Assembly Language, Software QA & Testing, Probability & Statistics, Programming Languages.
Honor : Dean's List Recognization 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, improving user session security.
- Designed and optimized state management for dynamic UI views, enhancing performance on mobile & desktop.
- Refactored React Native components to increase reusability by 25% and streamline API integrations and streamline API integrations.
- 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, covering back-end design and distributed systems.
- 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.

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

- Facilitated collaborative problem-solving activities for 30–40 engineering students.
- Enhanced team dynamics and inclusivity, positively impacting over 150 participants during several camps over summer.
- Developed leadership, communication and adaptability in a dynamic and fast-paced environment.

Projects

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

- Developed an automated defect tracking system improving resolution time by 30%.
- Optimized JavaFX UI components to enhance efficiency and usability.
- Collaborated with a Agile team to refine user workflows and security features.
- Designed secure database queries for efficient logging and retrieval of effort data.

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

- Analyzed real-world Uber trip data to optimize route efficiency and minimize wait times with a team of two.
- Designed SQL queries and REST APIs, enhancing data and workflow automation to extract real-time ride analytics.
- Implemented Apache Spark for distributed data processing, improving query execution speed by 40%.
- Designed a REST API to serve ride analytics in real-time which enabled faster access to trip insights.

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.

Future Solutions Research | *GCSP(Grand Challenge Scholars Program)* Fall 2021

- Designed a hydrogen fuel storage prototype, to help reduce carbon emissions by 20%.
- Conducted material strength and efficiency tests on hydrogen fuel storage prototypes, leading to a 10% improvement in storage efficiency and safety measures