

Sneha Dhanekula

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Summary

Computer Science graduate with expertise in software engineering, data science, and algorithm optimization. Seeking a full-time role to develop scalable solutions, enhance system performance, and drive innovation. Passionate about machine learning, big data analytics, and building intelligent systems for real-world impact.

Education

Arizona State University

Tempe, AZ

Master of Science, Computer Science

GPA 3.42 | May 2025

Bachelor of Science, Computer Science

May 2024

Recipient of Dean's list Academic Achievement award and New American University Scholarship

GPA 3.74

Programming Languages: Python, Swift, C/C++, Java. **Web Technologies:** HTML, Firebase, **Database Technologies:** SQL, Azure
Operating Systems: Windows, Unix/Linux, Mac O/S, Android. **Tools:** MATLAB, XCode, Eclipse, Visual Studio

Professional Experience

Adobe (Student Ambassador)

Feb 2025 – Present

- Conduct workshops on integrating Adobe Express into software development, prototyping, and data visualization.
- Leverage Adobe tools to enhance computational creativity, UI/UX design, and technical storytelling for CS applications.

Channel Soft Inc (Software Engineer Intern)

May 2024 – August 2024

- Led development of core features using Python and SQL, enhancing product performance and improving user satisfaction.
- Resolved critical bugs and implemented performance optimizations, improving software stability and efficiency by 20%.
- Achieved a 15% reduction in load times through database query optimization and caching, improving user experience.

Chain-Link Research (Software Engineer Intern)

May 2023 – August 2023 (Remote)

- Enhanced website content using WordPress CMS, increasing user engagement by 10% through data-driven insights.
- Led Agile-driven brainstorming sessions to solve technical challenges and deliver innovative web solutions.
- Collaborated with supervisors to identify and implement advanced web technologies, exceeding performance targets.

DSL EST PVT LTD (Technical Support Intern)

May 2022 – August 2022 (AP, India)

- Gained hands-on practical expertise with routers, modems, switches, and access points, enhancing networking skills.
- Delivered customer support, reducing resolution time by 20% through troubleshooting with Cisco networking tools.
- Collaborated with tech experts to design solutions that improved data connectivity for over 1,000 customers.

Academic Projects

IOS Application Development

Fall 2023 - Spring 2024

- Built a journaling app, "See Me," using Swift, Firebase for real-time data sync and personalized insights.
- Improved app performance by 25% through optimized Firebase integration, ensuring smooth UI-backend interaction.

Software Testing and Validation

Fall 2023

- Developed Junit test cases with equivalence partitioning (EP) for BMI and Social Security Number validation.
- Created JUnit test cases to evaluate BMI calculation accuracy and identified defects in the implementation.
- Utilized ChatGPT to generate and validate test cases, achieving comprehensive coverage for BMI and SSN applications.

Block Chain of Custody System Development

Fall 2023

- Designed and implemented a blockchain-based chain of custody system for digital evidence tracking.
- Developed command-line tools for managing evidence with secure encryption and blockchain integration.

Lexical Analyzer Development Project

Spring 2023

- Developed an advanced lexical analyzer in C++ for tokenizing programming languages with advanced regular expressions.
- Implemented intricate features such as support for real numbers and multiple formats, increasing the analyzer's versatility.

Work Experience

Arizona State University (Residential Assistant)

Spring 2022 – Fall 2023

- Guided over 1500+ residents and streamlined move-in/out using StarRez housing software.
- Executed 20+ community-building events, resulting in a notable 15% increase in resident engagement and satisfaction.

Arizona State University (Desk Assistant)

Fall 2024

- Managed student check-ins and check-outs while maintaining accurate records in the ASU Housing Portal.
- Administered key distribution and access management through StarRez, ensuring secure building access for residents.