

# SAHIL SINHA

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## EDUCATION

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### Arizona State University

B.S Computer Science *GPA: 4.0*

Tempe, AZ

Aug 2022 - May 2026

#### Relevant Coursework:

Data Structures & Object Oriented Programming, Programming Paradigms, Discrete Mathematics

## PROFESSIONAL EXPERIENCE

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### ASU Automation Projects

*Testing Intern*

Tempe, AZ

May 2023 - Aug 2023

- Assisted multiple cross-functional teams, including those specializing in Front-End development, Back-End expertise, and Embedded Systems, to meticulously prepare the project for its forthcoming field testing phase.

### Engineering Projects in Community Service (EPICS)

*Front-End Architect*

Tempe, AZ

Jan 2023 - May 2023

- Directed and executed the development of a visually appealing and user-friendly front end design for an Automated Attendance System for over 80,000 ASU students using ReactJS and Figma.
- Collaborated with cross-functional teams to iterate and refine mock wireframes based on user feedback.

## PROJECTS

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### InQuizzitive *Python, Flask, OpenCV, HAAR Cascade*

- Designed and implemented a Flask-based web application for a trivia game with seamless selection of answers during the trivia experience.
- Integrated real-time player head tracking utilizing HAAR cascade and OpenCV for accurate detection and analysis of player movements. functionality.

### GNU+Linux/Arch *Arch, Neovim, KDE*

- Installed Arch Linux with proficiency from scratch demonstrating adeptness with Linux systems.
- Meticulously fine-tuned Neovim and terminal emulator emphasizing proficiency in tailoring developer tools for maximum productivity

### GIT-4-You (G4U) *Python*

- Developed my own Git implementation project encompassing a comprehensive suite of foundational Git functionalities such as initialization (`init`), staging (`add`), removal (`rm`), status tracking (`status`), commit management (`commit`), and detailed version history visualization (`log`).

## SKILLS & INTEREST

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Languages: Java, C, C++, Python, JavaScript, MATLAB

Technologies: Linux/Unix, Google Suite, NumPy, ReactJS, OpenCV, Flask

## EXTRACURRICULAR & RECOGNITION

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### CodePath Cybersecurity

Successfully concluded CodePath's Introduction to Cybersecurity course, gaining comprehensive insights into the CIA triad, encryption methodologies, network security principles, and operational security (OPSEC) strategies. Proficiently utilized a range of cybersecurity tools throughout the course.

### Dean's List

Attained a coveted and exceptional distinction on the Dean's List in recognition of outstanding academic achievements.

### Devil's Invent

Attained the second place position in ASU's Devil's Invent Hackathon winning a prize of \$1,000 while serving as a pivotal core team member overseeing conceptual design and hardware systems.

### Software Developer's Association

Within the Software Developers Association (SoDA), I engaged in insightful interactions with influential industry leaders and distinguished community partners, including renowned entities such as Amazon and Shamrock, thereby acquiring invaluable industry insights and enriching my knowledge base.