

Avi Soni

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<https://github.com/avi2soni>

Education

Arizona State University BSE Computer Systems Engineering (Cybersecurity) Honors: <i>Magna Cum Laude</i>	Tempe, Az Aug 2019 - May 2023
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Work Experience

Arizona State University Undergraduate Teaching Assistant	Tempe, Az Jan 2022 – May 2022
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- Helped students understand concepts taught in CSE 365 (Information Assurance) and promoted student learning through tutorials and review sessions
- Tested assignments

Aryahi Trinity Inc. Assistant Manager	San Francisco Bay Area Jun 2018 – Present
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- Interacted with customers managed cash, credit, check payments and transactions
- Managed all bookkeeping, employee shifts and salaries
- Organized an advertisement campaign and made a website resulting in a 20% increase in monthly revenue whilst also increasing the business rating
- Currently managing online presence on the website, Google, and Nextdoor

Projects

Electronic Fleet Management Web App (Javascript, Python)

- Developed front end that allows users to compare costs between their current fleet and a prospective electric fleet, users can also see a graphical comparison
- Made the app secure through token authentication
- Was team manager and used Jira to keep track of tasks and sprints

Recommendation System (Python)

- Recommended electric cars to users based on their requirements and priorities
- Parsed csv database using pandas

Doctor's Office Automation System (Java)

- Used JavaFX to create a UI where patients can log in and see appointment summaries and any prescriptions prescribed by the doctor after the appointment
- Used OrmLite to implement a SQL database to store user information

LED Morse Code Flasher (C)

- Utilized the onboard LED on ARM processor platform

Simon Game (C)

- Implemented the popular game of Simon onto an ARM processor

Autonomous Maze Navigating Vehicle (MATLAB)

- Wrote code to make an autonomous vehicle that navigated a maze using touch, light, and color sensors

Skills

Languages: C/C++, Java, Python, JavaScript, x86 (Assembly), Swift, MATLAB

Tools: GIT, Ghidra, Wireshark, GNU Debugger, Atlassian, Jira, gdb, VMWare, VirtualBox

Knowledge/Processes: Agile, Scrum, Software Testing