

# AMRIT SINGH

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U.S Citizen

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## Education

**California State University, Sacramento**

*B.S. Computer Science*

**January 2020**

*Dean's Honor Roll*

**Programming Languages:** Java, JavaScript, NodeJS, HTML, CSS, C/C++, Python, SQL, React

**Tools:** Git, GSuite, Scrum Agile Methodologies

**Relevant Coursework:** Data Structures and Algorithm Analysis, Software Testing and Quality Assurance, Computer Software Engineering, Data Warehousing and Data Mining, Computing Theory and Programming Languages, Computer Organization, Computer Networks and Internets, Computer Architecture, Linear Algebra, Discrete Math

## Work Experience

Sacramento Valley Charter School, West Sacramento, CA

September 2014-Present

### *Technology Coordinator*

- Maintained school website by adding features that increased site readability. Manipulated JavaScript, CSS, and HTML code making it 30% more user friendly for parents, students, and teachers.
- Used relational database management system in order to create and store standards on the backend so teachers were able to input grades in the frontend Web-Based system.
- Ensured the schools domain was up to date through the use of Google Administrative account. This included managing chrome devices, emails, and account permissions in the domain.
- Administered both CELDT and later ELPAC tests to determine the English levels of students new to the country, eventually reclassifying them from an English Learner status to English proficient.
- Assisted in maintaining smooth day-to-day activity by ensuring that teachers technical needs were met

## Projects

### [Hornet Hyperloop] Team Project

- Worked with a team tasked with building a pod for the annual SpaceX Hyperloop Pod Competition.
- Tested different sensors and assisted in data acquisition needed to analyze pod functionality.

### [Software Testing] Group Project

- Implemented end-to-end tests for Android applications using Android Studio, Espresso, and UiAutomator. Tested an application on Google Play Store "Muzei" to ensure functionality.

### [Asteroid Game] Individual Project

- Implemented a program variation of the classic arcade game "Asteroids" using object-oriented computer graphics programming

### [Twitter BOT] Individual Project

- Developed a fully functioning BOT using Twitter API which tweeted based on a historical event, providing viewers with knowledge on the historical impact of said event.

## Leadership

Student Senator

2018-2020

- Student Academic Senate, CSUS