

Amrit Singh

Software Engineer | Systems Engineer | Programmer

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TECHNICAL SKILLS

Programming: Java, JavaScript, Node.js, Python, HTML5, CSS, C/C++, XML

Libraries/Platforms: React, jQuery,

Tools/Testing Frameworks: JUnit, GIT

Data/Databases: SQL, MySQL

Cloud/Technologies: Amazon Web Services

PROFESSIONAL EXPERIENCE

Technology Coordinator, Sacramento Valley Charter School, Sacramento, CA September 2014 – Present

- Spearheaded update of school website using JavaScript, CSS, and HTML to add 5+ features that increased site readability making it 30% more user-friendly for parents, students, and staff.
- Managed 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.
- Maintained updates of the domain through using a Google Administrative account in order to manage chrome devices, emails, and account permissions to support 40+ staff and 280+ students.

PROJECTS

COVID19 Tracker May 2021 - Present

- Developed a web application using React which tracks the amount of COVID cases, recoveries, and deaths allowing for viewers to see the effect that the virus has had in their country, or globally.

Twitter BOT January 2020 - Present

- Developing a fully functioning BOT using Twitter API which tweets information about historic events that happened on this day in history
- Implemented MySQL in order to store dates, tweets, and images into the backend of the project.

Testing a Google Play Store Application- Muzei February - May 2019

- Implemented end-to-end tests for an Android application using Android Studio, Espresso, and UiAutomator. In order to ensure functionality.
- Documented error details to send to the developers resulting in an updated app and improved user experience.

Asteroid Game August - December 2019

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

Hornet Hyperloop May - December 2019

- Worked with a team tasked with building a pod for the annual SpaceX Hyperloop Pod Competition.
- Collaborated with a team of student engineers to build a Hyperloop Pod to further develop the concept of hyperloop travel introduced by Elon Musk and to race it in an annual competition hosted by SpaceX.
- Tested different sensors using an oscilloscope and recorded data which assisted in analyzing overall pod functionality.

EDUCATION

B.S. Computer Science, California State University, Sacramento August 2013 - January 2020

Relevant Coursework: Data Structures and Algorithm Analysis, Software Testing and Quality Assurance, Software Engineering, Computing Theory & Programming Languages, Discrete Math