AMRIT SINGH

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Education

California State University, Sacramento

B.S. Computer Science   *December 2019*

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

Programming Languages: Java, JavaScript, NodeJS, HTML, CSS, C/C++, Python, SQL, React
Tools: Git, GSuite, Scrum Agile Methodologies

Work Experience

Sacramento Valley Charter School, West Sacramento, CA   September 2014-Present
Technology Coordinator

- Used prebuilt relational database management system (Schoolwise) in order to create and store standards on the desktop app (Backend) so that teachers were able to input grades in the frontend Web-Based system.
- Maintained school website by adding features that increased site readability and made it 30% more user friendly for parents, students, and teachers.
- 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   https://www.hornethyperloop.com/

- Tested different sensors needed to record pod functionality.
- Aiming to beat 2019 competition winners top speed of 288mph in the 2020 Competition.

[Software Testing] Group Project

- Gained experience in android application testing using Android Studio, Espresso, and UiAutomator to test an application on Google Play Store "Muzei".

[Asteroid Game] Individual Project

- Gained experience with object-oriented computer graphics programming by developing a program variation of the classic arcade game "Asteroids".

[Twitter BOT] Individual Project

- Gained experience with Twitter API, node.js, and Linux by developing a BOT that tweeted based on a historical event, providing viewers with knowledge on the historical impact of said event.

Honors/Awards

Deans Honor Roll   Spring 2017

- Recognized for receiving a GPA of 3.25 or above for the semester.