

TANAV KUDUPUDI

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I am currently an undergraduate at San Jose State University pursuing to get a degree in Bachelor of Science (B.S.) with a focus in Software Engineering. I am extremely passionate about technology and always aspire to learn more and experiment with new technologies.

PROJECTS

Spartan Hyperloop, SJSU, September 2018 – Present

- I am a Controls and Communications Engineer for on-campus organization dedicated to designing and building a hyperloop pod for submission in annual, international SpaceX student competition.
- Contributed in creating the master schematics for the pod navigation mechanism through creating data flow diagrams.
- Helped with choosing the best MCU and sensors for the pod and helped with creating the software API for the pod navigation.
- I am currently helping build the off-pod laptop user interface which analyzes the data for the team instead of SpaceX.

Calendar App, SJSU, January 2020 – Present

- I am working on a calendar app with a group that was assigned to me by my professor with a hard deadline.
- To create this app, we have decided to use Python to create the code for the app, Flask for the web framework coded using Python, and HTML to display the app in a local web host.

My Website, January 2020 – Present

- I made myself a website using HTML and CSS on my local host to improve my knowledge on these skills.
- For this website, I decided to use HTML to format texts, headings, and images. I used CSS to style and format the texts, heading, and images. I used Dreamweaver which is an Adobe Software as an environment to code in.

Spartan Racing BAJA SAE, SJSU, August 2019 – December 2019

- I am a Powertrain engineer for an on-campus organization committed to design and build an off-road vehicle that will survive the severe punishment of rough terrain and in some competitions, water.
- I contributed in helping the team in machine shop with the suspensions of the buggy as the terrain is extremely uneven. The suspension shaft was built with carbon fiber making it extremely light and strong.

ORGANIZATIONS

Software Computer Engineering Club, SJSU, August 2018 – January 2019

- This is an on-campus organization dedicated to creating an organization of students pursuing a degree in Software and Computer Engineering with similar interests.
- During my time in this organization, I was able to gain a lot of knowledge about the Software Engineering major and industry.
- This organization also helped me transition from high school to college by helping me in courses during my freshman year and helped me make friends within my major.

EDUCATION

SOFTWARE ENGINEERING, San Jose State University, GPA: 3.92, Anticipated Fall 2021

Related Coursework: Differential Calculus, Multivariable Calculus, Differential Equations and Linear Algebra, Mechanical Physics, Electricity and Magnetism Physics, Introduction to Java, Data Structures and Algorithms in Java, Introduction to C++, Discrete Math, Engineering 10, Human Computer Interaction

HIGH SCHOOL DIPLOMA, Monta Vista High School, 2018

Related Coursework: AP Physics, AP Macroeconomics, AP Chemistry, AP Computer Science Principles, AP Calculus AB

INDUSTRY RELATED SKILLS

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|--------|-----------------|---------|-----------------|------------------|
| • JAVA | • CYBERSECURITY | • FLASK | • UBUNTU | • BURP |
| • C++ | • GIT/GITHUB | • HTML | • LINUX | • CREATIVE CLOUD |
| • SQL | • PYTHON | • CSS | • VISUAL STUDIO | • SOLIDWORKS |

ADDITIONAL QUALIFICATIONS

INTERPERSONAL SKILLS

- | | | |
|-----------------------|----------------------|------------------|
| • TEAMWORK | • TIME MANAGEMENT | • RESPONSIBILITY |
| • LISTENING ABILITIES | • PROJECT MANAGEMENT | • COMMUNICATION |

AWARDS

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| • PRESIDENT SCHOLAR (SJSU) | • MEDAL FOR ACADEMIC ACHIEVEMENT (High School) |
| • PRESIDENT AWARD (High School) | |