

TANAV KUDUPUDI

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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. Extremely passionate about technology and always aspire to learn more and experiment with new technologies.

RELEVANT PROJECTS

Farm Supply Chain Externship, May 2020 – Present

- Front end engineer for an externship led by Dr. Younghee Park and Venkat Pullela.
- The aim is to build an app that helps automate the supply chain for an Organic Agricultural Startup. We are working with the company to reduce inefficiencies and maximize yield.

Spartan Hyperloop, SJSU, September 2018 – Present

- Controls and Communications Engineer for on-campus organization dedicated to designing and building a hyperloop pod for submission in annual, international SpaceX student competition.
- Led in devising master schematics for pod navigation mechanism through developing data flow diagrams.
- Helped with choosing MCU and sensors for the pod and helped with building software API for pod navigation.
- Currently helping construct off-pod laptop user interface using Python to analyze data for the team instead of SpaceX.

Scheduling App, SJSU, January 2020 – May 2020

- Created a scheduling app with a group assigned to me by our professor with a hard deadline.
- Used Python to develop code for the app, Flask for web framework coded using Python, and HTML to display app in a local web host.

Portfolio Website, January 2020 – Present

- Created a website using HTML and CSS on local host to improve knowledge on these skills.
- Decided to use HTML to format texts, headings, and images. CSS to style and format texts, heading, and images. Dreamweaver, an Adobe Software as an environment, to code in.

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

- Powertrain engineer for an on-campus organization committed to design and construct an off-road vehicle to survive severe punishment of rough terrain and in some competitions, water.
- Contributed in helping with suspensions of the buggy as terrain is extremely uneven. Suspension shaft was built with carbon fiber making it extremely light and strong.

EDUCATION

B.S., Software Engineering, San Jose State University, Overall GPA: 3.8, Major GPA: 4.0, Expected December 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, Operating Systems, Engineering Reports, Objected Oriented Design, Assembly Language

ORGANIZATIONS

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

- An on-campus organization dedicated to get together an organization of students pursuing a degree in Software and Computer Engineering with similar interests.
- During my time, I was able to gain knowledge about Software Engineering major and industry.
- Helped me transition from high school to college by helping me in courses during freshman year and helped meet new people within my major.

TECHNICAL SKILLS

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

QUALIFICATIONS

INTERPERSONAL SKILLS

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

AWARDS

- | | |
|---------------------|----------------------------------|
| • PRESIDENT SCHOLAR | • DEANS SCHOLAR |
| • PRESIDENT AWARD | • MEDAL FOR ACADEMIC ACHIEVEMENT |