

TANAV KUDUPUDI

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RELEVANT PROJECTS

TextED, SJSU, August 2020 – December 2020

Python, SQL, HTML, CSS

- An educational web application platform for students to interact and meet with other students that are in similar classes as them.
- Decided to make this application during the COVID-19 because virtual learning is preventing students from meeting their peers, make new friends, and collaborate with others for projects/assignments.

LifeSmart, SJSU, August 2020 – December 2020

Java, JavaFX

- The aim is to build a desktop application that serves as a health log that tracks aspects of diet, fitness, and other health related measures.
- The software requires the user to input their health and personal information into the application which will be stored locally due to privacy concerns. The application will return a curated dietary and fitness plan. Users also have the functionality to create custom plans to fit their needs.

Farm Supply Chain Externship, May 2020 – August 2020

Python, JavaScript, HTML, CSS

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

Spartan Hyperloop, SJSU, September 2018 – June 2020

Python, Java

- 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.
- Constructed an off-pod laptop user interface using Python to analyze data for the team instead of SpaceX.

Portfolio Website, January 2020 – August 2020

HTML, CSS, JavaScript

- A person website made to portray my experience and skills to world in hoped of sharing my knowledge.
- Created a website using HTML, CSS, and JavaScript to improve knowledge on those skills as a side project.

Scheduling App, SJSU, January 2020 – May 2020

Python, SQL, HTML, CSS

- 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.

EDUCATION

B.S., Software Engineering, San Jose State University, Overall GPA: 3.7, Major GPA: 3.9, 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

Achievements: President Scholar, Deans Scholar

ORGANIZATIONS

Tau Beta Pi, SJSU, August 2020 – Present

- A national engineering honors society representing the entire engineering profession. To qualify scholastically, the candidate must be amongst the top 1/8 of the class.
- I have become a candidate and was initiated for this society in Fall 2020.

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.

SKILLS

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|--------|----------|--------------|------------------------|
| • JAVA | • HADOOP | • SWIFT | • LINUX |
| • C++ | • HTML | • ASSEMBLY | • C |
| • SQL | • PYTHON | • GIT/GITHUB | • UBUNTU |
| • PHP | • CSS | • JAVASCRIPT | • CYBERSECURITY (BURP) |