

# TANAV KUDUPUDI

San Jose, CA

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## EDUCATION

**B.S., Software Engineering**, San Jose State University, Overall GPA: 3.7 / 4.0, Major GPA: 3.9 / 4.0, December 2021

**Achievements:** Magna Cum Laude, President Scholar, Deans Scholar

## PROFESSIONAL EXPERIENCE

**Amazon (Amazon Robotics)** | System Development Engineer Intern | Seattle, WA

[June 2021 – August 2021]

*Python, PLC, AWCS*

- Developed a controls test box to emulate the I/O signals at the connection points between 4 different systems in the NA IXD sortation process to validate the systems for commissioning.
- Helped save approximately 50 labor hours and associated travel costs per engineer per deployment to an IXD site.

**San Jose State University** | Front-End Developer Extern | San Jose, CA

[May 2020 – August 2020]

*JavaScript, Python, NoSQL, HTML, CSS*

- Worked alongside a team of 30 undergraduates under Dr. Younghee Park and Venkat Pallela to develop a supply chain management tool.
- Built a user interface design using React.js, HTML, and CSS for account creation and authentication.
- Developed a NoSQL database using MongoDB to store user and product information.

**Spartan Hyperloop** | Controls and Communications Engineering Lead | San Jose, CA

[September 2018 – June 2020]

*Python, Java, SQL, HTML, CSS*

- 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.

## SIDE PROJECTS

**Grass** | SJSU | *Python, React JS, SQLite, Figma, AWS, GraphQL, TypeScript*

[January 2021 – December 2021]

- A grocery assistant platform that manages every aspect of user's grocery experience.
- The app manages ordering, cooking, managing inventory, and disposing/food sharing. The inventory is managed using machine learning.

**TextED** | SJSU | *Python, MySQL, HTML, CSS*

[August 2020 – December 2020]

- 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 | *Java, JavaFX*

[August 2020 – December 2020]

- 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.

**Portfolio Website** | *HTML, CSS, JavaScript*

[January 2020 – August 2020]

- A personal website made to portray my experience and skills to world in hopes of sharing my knowledge.

**Scheduling App** | SJSU | *Python, MySQL, HTML, CSS*

[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.

## 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.

## ADDITIONAL INFORMATION

**Certifications:** UI Path RPA, AWS Solutions Architect, Oracle SQL

**Technical Skills:** Java, Python, SQL, HTML, CSS, JavaScript, Angular, TypeScript, Amazon Web Services, Google Cloud Platform, PLC, Linux, Git, PHP, x86 Assembly