TANAV KUDUPUDI

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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: 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 Pullela 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, Amazon Web Services, Google Cloud Platform, PLC, Linux, Git, PHP, x86 Assembly