

## Jana Venice Dayao

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### Education

<b>Singapore Institute of Technology &amp; University of Glasgow</b> <i>BSc in Computing Science, Specialization in Internet of Things (IoT)</i>	2023-2026
<b>Ngee Ann Polytechnic</b> <i>Diploma in Biomedical Engineering</i>	2020-2023
<b>Whitley Secondary School</b> <i>GCE 'O' Level Certificate</i>	2016-2019
<ul style="list-style-type: none"><li>• <b>Awards:</b> Scholastic Merit Award (2019 GCE Ordinary Level), Geography (2018 Secondary 3 Express)</li></ul>	

### Technical Skills

**Programming Languages:** Python, HTML/CSS, C, C++, Java, Javascript  
**Frameworks & Libraries:** Flask, Django, TailwindCSS, Bootstrap, Vue.js  
**Databases & Database Management:** MySQL, MariaDB, MongoDB Compass, MongoDB Atlas  
**Cloud & DevOps:** Docker  
**Operating Systems:** Windows, Linux

### Internship

<b>Innotech Resources</b> <i>Junior Engineer Intern</i>	Mar-Aug 2022
<ul style="list-style-type: none"><li>• Facilitated the design, construction, and deployment of 8 RFID Smart Shelves for the National Cancer Center Singapore and Sembawang Polyclinic</li><li>• Liaised with clients to gather feedback on challenges faced and identify areas for functionality improvements on Parata Mini, Parata Max, RFID Desktop Readers, and RFID Smart Shelves</li><li>• Performed preventive maintenance on equipment in polyclinics and hospitals to ensure optimal performance</li><li>• Produced documentation to assist in troubleshooting machines, including a detailed guide on tuning RFID antennas</li></ul>	

### Projects

<b>AVConnect</b>   Python, Flask, NoSQL, HTML/CSS, Javascript, Figma
<ul style="list-style-type: none"><li>• Led the team in developing a community-driven platform for Automated Vehicle (AV) users using Flask framework and MongoDB</li><li>• Designed and implemented HTTP API to handle user authentication, posts, and AV maintenance records</li><li>• Designed high-fidelity prototypes in Figma and developed responsive web pages using HTML/CSS and JavaScript</li></ul>
<b>DigitalFNA</b>   Vue, HTML/CSS, Typescript, Figma
<ul style="list-style-type: none"><li>• Created wireframe and prototype in Figma for a Financial Needs Analysis application and developed</li><li>• Developed responsive web pages using HTML, TailwindCSS, and Typescript to achieve cross-device compatibility</li><li>• Developed modular and reusable Vue.js components, improving scalability and maintainability</li><li>• Implemented client-side routing using Vue Router between web pages</li><li>• Maintained project documentation on Confluence, detailing implementation process and design decisions</li></ul>
<b>BeSage</b>   Python, Django, HTML/CSS, SQL, Figma
<ul style="list-style-type: none"><li>• Co-developed a learning management system using Django, implementing user authentication, role-based access control, and course management</li><li>• Designed and optimized SQL queries for efficient database interactions with MariaDB</li><li>• Developed Django views to manage user sessions and dynamically render data from database</li></ul>