MARY NANSIKOMBI

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EDUCATION
Oregon State University
B.S. in Computer Science(Honors) | Minor in Business   *GPA 3.76*

CLASS PROJECTS AND PERSONAL PROJECTS

- Developed and implemented client-server technologies using REST APIs, Node.js, and PHP, **resulting in enhanced communication** between web applications and servers.
- Deployed a microservice-based health website using Agile development, **resulting in more efficient** creation,retrieval and deletion,operations for managing web content.
- Executed sub processes via shell scripting, signal processing, and multithreading, **resulting in a 25% optimization** of memory utilization through independent shell creation.
- Implemented unit, integration, and end-to-end tests using Jest, Cypress for web testing automation, **improving feature and quality performance by 30%** in web applications.
- Utilized GitHub for code management and CICD deployments, **ensuring smoother integration and improved regression testing of new features** in applications
- Documented processes and procedures for clients during technology implementations, **leading to enhanced efficiency and improved outcomes** across various technologies.
- Investigated code bases on github and understood the flow of code with varying applications **resulting in better use of code and its interaction with processes**
- Resolved bugs through root cause analysis, continuous testing and debugging, **increasing** error and risk detection in web applications
- Developed a user-friendly web interface with Python, Flask, and JavaScript improving resume-to-job description matches by 20% and enhancing overall user experience.
- Collaborated with a team of 4 to develop a web calculator using full web stack technologies, **resulting in improved front-end skills** in CSS, JavaScript, Node.js, and npm.

ACTIVITIES & LEADERSHIP
Community Assistant   June 2022 – June 2024
Orchard Court Family Housing | Corvallis, OR

- **Served as a liaison** between technical and non-technical departments, **impacting collaboration** and communication **resulting in streamlined processes**.
- **Assisted students** with maintenance and emergency issues after hours, including operations assistance, conflict resolution, and medical aid, **leading to increased safety** and **greater satisfaction** within the student community.
- **Performed administrative tasks** such as data entry for apartment allocation and relocation, **resulting in improved efficiency** and **greater accuracy** in housing assignments

Technical Skills
Programming Languages: C, JavaScript, Python,Cypress, Jest,JSON
Web Development: Node.js, React.js, MongoDB, HTML5, CSS3,Github,Angular