

WADDHANABOT YI

Everett, WA

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Education

Washington State University

Jan. 2020 – Dec 2024

Bachelor of Science in Computer Science

Pullman, WA

Relevant Coursework

- Data Structures
- Database Management
- Machine Learning
- Computer Architecture
- Software Engineering
- Artificial Intelligence
- Systems Programming
- Project Management Eng

Experience

SquatchSports

Jan 2024 – Dec 2024

Software Developer Intern

Remote,

- Successfully led a cross-functional team to develop a mobile application to determine basketball shot make or miss using AI, achieving 95% accuracy through the integration of the MediaPipe Framework.
- Designed and implemented advanced tracking features for shot positions and outcomes by leveraging data from machine learning models, enhancing player performance analysis by 30%.
- Led a cross-functional Agile team, managing sprint planning, task prioritization, and stakeholder communication to deliver features ahead of schedule.
- Collaborated with stakeholders to gather requirements and integrate feedback, ensuring alignment with client goals and enhancing overall project efficiency.

WSU Agricultural and Sciences

Sep 2023 – May 2024

Technical Lab Assistant I

Pullman, WA

- Developed training datasets from nematode data, leading to a 20% improvement in the accuracy of AI-based plant disease models.
- Streamlined experimental setup and maintenance for a 15% increase in lab productivity.
- Assisted with the execution of experiments in a laboratory setting, ensuring high standards of data quality.

WSU International Program

Apr 2021 – May 2022

Peer Mentor

Pullman, WA

- Accomplished a 50% increase in event attendance by planning and executing engaging programs tailored to international students' interests.
- Improved cultural adaptation for 100+ international students by providing comprehensive support and resources.
- Enhanced the integration and experience of international program participants by creating and delivering workshops and resources.

Projects

Scent Compass AI App | *Python, HTML/CSS, JavaScript, Flask, Selenium*

January 2025

- Achieved a 95% satisfaction rate in fragrance recommendations by engineering a content-based AI recommender with features like one-hot encoding, deployed using Flask and JavaScript.
- Built and deployed a user-friendly web app that improved the fragrance-matching process through machine learning (cosine similarity).

Theia Accessibility App | *Java, Kotlin, Android Studio*

August 2024

- Created an Android application using Java and Android Studio to assist visually impaired individuals with navigation.
- Facilitated seamless navigation for users with disabilities by developing a Java-based mobile app with GPS, camera, and voice command integration, achieving 90% usability scores in testing.
- Designed and implemented features to provide inclusive, point-A-to-point-B navigation for users with mobility challenges.

Doctor Patient Portal Web | *HTML/CSS, UML*

March 2023

- Accomplished a 40% improvement in user accessibility by designing and developing an intuitive web portal interface using HTML, CSS, and JavaScript.
- Maintained comprehensive technical documentation throughout the development process to ensure seamless knowledge transfer and system scalability.

Technical Skills

Languages: Python, C/C++, Java, Kotlin, HTML/CSS, JavaScript

Developer Tools: VS Code, Android Studio, Git, AWS, Microsoft Office, Adobe Creative, AutoDesk

Technologies/Frameworks: UX/UI Design, Machine Learning, Application Development, System Analysis, Project Management, IT Support, Quality Inspection, 3D Modeling