

TADIWANASHE NIGEL NYAMAPFENE

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EDUCATION

Rust College

Holly Springs, MS

BA in Computer Science: 4.0GPA

Expected 12/26

Relevant Coursework: Machine Learning and Data Science using Python, Intro to Programming with Python, C++

Programming, Data Structures and Algorithms, Discrete Mathematics, Calculus I & II, Linear Algebra

Clubs and Affiliations: ColorStack, CodePath, Speech and Debate, Honda Campus All-Stars Championship (HCASC)

EXPERIENCE

Headstarter AI Software Engineering Fellow| Remote

July 2024-Present

- Undertaking a fellowship to help startups meet their business requirements.

Machine Learning Research Assistant | Tufts University, Boston, MA

June 24 – Present

- Developed an image classification model using TensorFlow using 10,000+ images of aircraft.
- Enhanced model efficiency by application of optimal transport techniques, resulting in greater efficiency.
- Conducted comparative analysis on the models, providing insights into optimal transport's benefits.

Math and Science Tutor | Rust College, MS

05/2023-07/2023

- I tutored students on campus in various classes, including Algebra, Calculus, and Physics.
- Helped students get a better understanding of their coursework and prepare for examinations.

Codepath | Student-Remote

June 2024-Current

- Enrolled in Codepath Technical Interview Prep course, engaged in practical exercises guided by industry professionals enhancing skills in Data Structures and Algorithms and technical problem-solving.
- Participated in mock interviews and received personalized feedback, equipped with industry-standard resume writing skills.

PROJECTS

RemoTutor Chatbot

June 2024-July 2024

- Designed and developed a real-time tutoring chatbot. I used Django for the backend, AJAX(JavaScript) for real-time communication, and HTML/CSS for the frontend.
- Implemented a user-friendly interface that allows convenience for students who prefer remote assistance over in-person.

EmotionSense

May 2024-June2024

- Developed an emotion classification model to distinguish between happy and sad faces using TensorFlow and other Python libraries.
- Achieved accurate emotion detection and fine-tuned the model to yield an accuracy of 92% on 1,000+ images.

Web Scrapping Tool

June 2024-July 2024

- Developed and created a web scrapping application using Beautiful Soup and Selenium to extract book prices and ratings from an online bookstore.

LEADERSHIP

Math and Computer Science Club-President

June 2024-July 2024

- Held workshops and weekly meetings to help expand the coding proficiency of club members
- Represented Rust College at the Public Interest Technology (PIT-UN), Civic Tech for Change Hackathon at Boston University in February 2024.

Junior Class Vice President

May 2024-June 2024

- Elected to serve as the junior class vice president for the upcoming academic year, demonstrating strong leadership skills and commitment to student representation and engagement.

SKILLS

Technical Skills: Python, HTML, CSS, Django, PostgreSQL, JavaScript(beginner), C++(Beginner)

Machine Learning: TensorFlow, NLP, Big Data, Machine Learning Models

Platforms and Tools: PyCharm, Eclipse, Figma, VSCode

Core Skills: Analytical problem-solving, goal-oriented, team member, determination