

NAHOME KIFLE

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EDUCATION

Virginia Commonwealth University, School of Engineering and Applied Science

Richmond, VA

B.S. Engineering in Computer Science

Expected: May 2025

Virginia Wesleyan University, School of Engineering

Virginia Beach, VA

B.S. Engineering in Computer Science

August 2021 - May 2022

SKILLS

Technical: Java, Python, SQL (MySQL, PostgreSQL), PHP, C, JavaScript, HTML/CSS

Frameworks/Developer Tools: Flask, Git, REST, Bootstrap, Firebase, SQLite, Linux, Docker, Node.js, React.js

WORK EXPERIENCE

Database Manager, VCU Health Hub | Richmond, VA

September 2024 - Present

- Increased client data management efficiency by 100%: Streamlined data collection by transferring Google Sheet responses to a PostgreSQL database using Flask and psycopg2, tracking data for 500+ clients monthly.
- Front-end development: Created a responsive interface with HTML, CSS, and Bootstrap to showcase data and provided stakeholders with detailed monthly insights.

Software Engineer for AI Testing, Outlier | Remote

September 2024 - Present

- Evaluated and enhanced over 250 lines of AI-generated code weekly, contributing detailed feedback that improved algorithmic accuracy and functionality by 7%.
- Developed and implemented 50+ robust test cases to validate AI-generated solutions across Python, Java, and TypeScript, ensuring 98% alignment with project specifications and industry coding standards.

Java Tutor, Superprof | Remote

October 2024 - Present

- Taught core Java concepts, including Object-Oriented Programming (OOP), data structures, and debugging techniques, helping 90% of students achieve higher grades in coursework.
- Developed personalized lesson plans with hands-on coding exercises, enhancing comprehension and retention by over 85% through tailored instruction and regular progress evaluations.

PROJECTS

AGIE(Advancing Gender Inclusivity in Engineering) researcher-facing app

August 2024 - May 2025

- Improved data retrieval efficiency by 35% using React.js for a dynamic front-end, Node.js for back-end APIs, and PostgreSQL for real-time filtering and categorization.
- Enabled scalable AI-driven search with GPT integration and Docker-Compose, maintaining response times under 200ms for 100+ concurrent users through JMeter testing.

ESU(Ethiopian/Eritrean Student Union) Alumni Networking Platform

February 2024 - May 2024

- Led full-stack development of a LinkedIn-style alumni platform, building the front end with HTML, CSS, and JavaScript and integrating SQL with PHP for dynamic, database-driven functionality.
- Implemented Agile methodologies to deliver a scalable, user-friendly platform with responsive design, leveraging phpMyAdmin for database management and ensuring seamless back-end integration.

Web Services Application

October 2024 - November 2024

- Developed Flask microservices for product and cart management, implementing RESTful APIs for product inventory and user cart operations while integrating SQLite via Flask SQLAlchemy.
- Deployed on Render with seamless communication between services using HTTP requests and conducted thorough endpoint testing with Postman.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Ethiopian Student Union, Professional development chair

August 2022 - May 2023

SHPE, Active member

August 2024 - Present

NSBE, Active member

August 2022 - Present