

NAHOME KIFLE

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EDUCATION

Virginia Commonwealth University, School of Engineering and Applied Science

Richmond, VA

B.S. in Computer Science

Expected: May 2025

Virginia Wesleyan University, School of Engineering

Virginia Beach, VA

B.S. in Computer Science

August 2021 - May 2022

SKILLS

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

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

Coursework: Software as a Service, Database Theory, Data Structures, Algorithms, Operating Systems

EXPERIENCE

Database Manager Intern, VCU Health Hub | Richmond, VA

September 2024 - Present

- Increased client data management efficiency by 100% by streamlining data collection through the transfer of Google Sheet responses to a PostgreSQL database using Flask and psycopg2, tracking data for 500+ clients monthly.
- Developed a responsive front-end interface with HTML, CSS, and Bootstrap to display data and provided stakeholders with detailed monthly insights.

Software Engineering Intern, VCU Hospital | Richmond, VA

August 2024 - Present

- Improved data retrieval efficiency by 35% by implementing a dynamic front-end with React.js, optimizing back-end processes with Node.js, and utilizing PostgreSQL for simple data storage and retrieval.
- Tested and validated the scalability of an AI-driven search with GPT integration and Docker-Compose, ensuring response times remained under 200ms for 100+ concurrent users using JMeter.

Software Engineer for AI Testing, Outlier | Remote

May 2024 - August 2024

- 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 2023 - Present

- Taught core Java concepts, including OOP, data structures, and debugging, while creating personalized lesson plans with hands-on coding exercises to improve comprehension and technical skills.

PROJECTS

Ethiopian Cultural Store

October 2024 - November 2024

- Built a full-stack e-commerce platform with Flask (backend) and HTML, AJAX, Bootstrap (frontend), allowing users to browse products, manage carts, and track stock in real time through RESTful APIs.
- Designed a PostgreSQL database optimized for a modular Product and Cart service, ensuring dynamic stock updates and seamless cart transactions through HTTP-based communication.

Ethiopian/Eritrean Student Union Alumni Networking Platform

February 2024 - May 2024

- Developed a college networking platform for Ethiopian and Eritrean diaspora students, designing the front end with HTML, CSS, and JavaScript for a responsive user experience.
- Utilized MySQL and phpMyAdmin for data management, integrating SQL with PHP for dynamic server-side functionality and seamless back-end interaction.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

Active member, Society of Hispanic Professional Engineers(SHPE)

August 2024 - Present

Active member, National Society of Engineers(NSBE)

August 2022 - Present

Professional development chair, Ethiopian Student Union(ESU)

August 2022 - May 2023