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

EXPERIENCE

Software Engineering Intern, *VCU Hospital | Richmond, VA*   August 2024 - Present
- 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.

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 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/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

Professional development chair, Ethiopian Student Union(ESU)   August 2022 - May 2023
Active member*,* Society of Hispanic Professional Engineers(SHPE)   August 2024 - Present
Active member, National Society of Engineers(NSBE)   August 2022 - Present