Education   Experience   Projects   Blogs   Published-Papers

Nahom Demoz   About-Me

Nahom A. Demoz

Software Engineer
Languages: Java, C++, Python, SQL, JavaScript
Platforms: Windows, Mac, Linux.
Cloud: AWS(DevOps)
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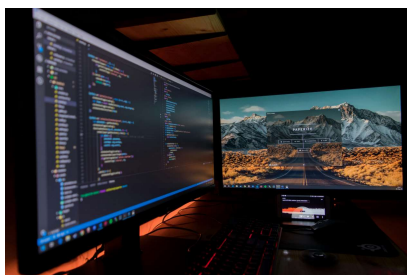Ut enim ad minim veniam, quis nostrud exercitation
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About Me

A dynamic and driven
AWS Certified Software
Developer with over five

Nahom Demoz   About-Me

Methodologies. Adept at developing robust and scalable software solutions using a broad spectrum of technologies and programming languages. Notable achievements in meeting tight deadlines for project deliveries and deploying multiple application systems using advanced web services, design patterns, and web technologies to satisfy complex business requirements. An enthusiastic learner with a passion for embracing new challenges in software development and staying up to date with industry trends and best practices.

Education

Master of Science in Computer Science, Jan 2023 - May 2024

- University of New Haven, West Haven, Connecticut.
- CGPA: 3.96

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Development, Algorithm Design
and Analysis, Advanced C++,
Python, Cloud Computing.

Bachelor of Science in Computer Engineering, Jan 2019 - Dec 2022

- United Arab Emirates University (UAEU), Al Ain, UAE.
- CGPA: 3.89
- Relevant Courses: OOP, Java, Linear Algebra, Discrete Mathematics, Software Engineering Fundamentals, Security Fundamentals, Communication.
- Minor: Artificial Intelligence (NLP, ML, Robotics).

Professional Experience

Graduate Research Assistant
University of New Haven - Part-time
Jan 2023 - Present
West Haven, CT, United States

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- Collaborate on academic papers, handle extensive litera
  reviews, and contribute to scholarly articles in the realm
  machine learning and data science.

Full Stack Java Developer
Selam Tech - Part-time
Jun 2021 - Dec 2022
Tacoma, Washington, United States

- Spearheaded full-cycle software development, from requirement analysis to deployment, creating custom solutions that enhanced client satisfaction and retention.
- Architected and developed RESTful APIs using the Spring framework, contributing to a 30% improvement in application performance and significantly reducing code complexity.
- Worked with MongoDB and MySQL to create resilient data storage solutions that supported complex enterprise applications.

Software Engineering Intern
Division of Information Technology, UAEU - Part-time
Aug 2020 - May 2021
Al Ain, Abu Dhabi, UAE

- Played a key role in developing RESTful APIs for the university's internal e-services, ensuring seamless integration and user experience.
- Executed a comprehensive gap analysis on software requirements, bridging the divide between user

- Collaborated with various teams and departments and achieved the desired outcomes with the collected efforts.

Personal Projects

Shopping Cart Management System

Created backend enterprise application with high scalability to manage online shopping, shopping cart, customers and orders. Designed application using trending Microservice architecture.

Online Shopping System

Built and implemented enterprise application to facilitate online shopping with numerous user roles. Technologies Used: Spring Boot, React.js, HTML5, CSS3, Hibernate, MySQL, StarUML, Swagger, Git, JWT

Messaging API

Developed messaging API for users to send messages using different message queueing protocols. Technologies Used: Java, Spring Boot, Kafka, AMQP, RabbitMQ, Git, IntelliJ.

C++ Can't Stop Game

Designed a desktop app using OOP and networking concepts to play multiplayer game.

Traffic Sign Detection and Recognition

Created mobile application to handle live video and

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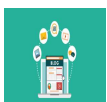
technologies.

Technologies Used:

Blogs

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Papers

Real-time Road Signs Detection and Recognition for Enhanced Road Safety

Road sign detection and recognition play a critical role in improving driver safety and awareness in the modern traffic era. This paper describes the development and evaluation of a Road Sign Detection and Recognition System (RSDRS). Our system leverages computer vision techniques and mobile application technology to provide drivers with real-time visual and auditory feedback based on detected traffic signs.

Read More

Data-Driven Approach to Identify Connectivity and Bus Stop Importance in Transit Network

Analyzing average ridership numbers at key bus stops can unveil actionable insights for optimizing public transportation. This paper provides a comprehensive exploration strategy as initial investigation to existing urban transit systems. Limited to downtown New Haven area, the study focuses on the bus stop and usage based on average ridership values.

Read More

Get In Touch

Email: nahomhagos29@gmail.com

GitHub   LinkedIn   Facebook   Instagram