

Adonay Tesfamichael

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EDUCATION

George Mason University (GMU)

B.S. in Information Technology

Expected May 2026

Fairfax, VA

Concentration: Database Technology and Programming (DTP)

- **Coursework:** Cloud Development, Node.js, JAVA OOP, IT in the Global Economy, Information Security, Networking, HCI, Databases
- **In-Progress:** Java Data Structures & Algorithms, Database Programming, Cyber Security of Data and Software,

Northern Virginia Community College (NOVA)

Associate of Science, Information Technology

Dec. 2023

Annandale, VA

- **Coursework:** Software Design, Applied Calculus, Multimedia Software

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** AWS Academy Graduate - AWS Academy Cloud Developing(issu. April 2025)
- **Technologies:**
 - **Languages & Frameworks:** Java, JavaScript, Dart, Flutter, HTML, CSS, SQL
 - **Networking & Security Tools:** Packet Tracer, Wireshark, John the Ripper
 - **Databases:** MySQL, Firebase, Microsoft Access
 - **Operating systems:** Windows, Linux, MacOS
 - **Tools & Platforms:** VSCode, GitHub, AWS, WordPress, Figma, Adobe, Node.js
 - **Command Line:** Git, Linux terminal commands
- **Skills:** Customer service, Adaptability, Problem-Solving, Attention to Detail, Accounting

WORK EXPERIENCE

Center for Supportive Communities (CSC)

Web Developer

Apr. 2025 – Present

Remote

- Designing and building cross-platform mobile and web applications using Flutter and Dart in Visual Studio Code, with a focus on performance and scalability.

Design TLC

Web Intern

June 2024 – Present

Arlington, VA

- Design TLC provides tailored digital solutions for schools and non-profits.
- Updated and managed school websites (e.g., Winsor Schools) using WordPress, enhancing usability and visual design.
- Collaborated closely with the CEO, gaining valuable insights into the world of development and effective use of WordPress.

S.L. Nusbaum Realty Co.

Leasing Consultant

Aug. 2024 – Present

Arlington, VA

- S.L. Nusbaum is a well-established real estate company managing thousands of multifamily and commercial properties across the Southeast U.S.
- Maintained a well-organized tenant database and improved lease processing speed by 25%.

Aspire! Afterschool Learning (AmeriCorps)

Afterschool Program Staff

Aug. 2022 – June 2024

Arlington, VA

- Designed and led interactive learning activities that supported students' academic and social-emotional development.
- Contributed to a 15% increase in student engagement during afterschool sessions.

TECHNICAL PROJECT

Password Vault

June 2025 – Present

Solo Project – Java GUI

- Building a secure password manager using Java and SQL, focused on storing user credentials with AES encryption.
- Emphasizing secure input handling and protection against SQL injection.

AI SQL Assignment Helper (AWS Final Project)

Jan 2025 – Present

- Created a serverless platform using Lambda, API Gateway, S3, and DynamoDB.
- Uses AI to generate ERDs and SQL prompts from assignment input to assist students.

SQL Database Projects

May 2025

Happy Learning System

- Built a school database with over 10 connected tables to manage students, teachers, classes, and lunch orders. Used MySQL and JOIN queries to pull clean, organized reports.

Soccer Registration System

- Created a full registration system for teams, coaches, and players. Designed relationships between tables and used SQL to analyze player stats and team activity.

REST API Development

Apr. 2025

Node.js + MySQL

- Built a RESTful API using Node.js on port 8080 to handle CRUD operations (Create, Read, Update, Delete) with a MySQL database.
- Used Postman to test and validate endpoints, ensuring correct request handling and data integrity.

Java OOP Applications

Apr. 2025

Hotel Management System

Fairfax, VA

- Designed core class structure (Hotel, Room, Reservation, Employee, Guest) and led testing/debugging for the booking and payment features.
- Implemented object-oriented principles (inheritance, aggregation) to build a functional hotel system in Java.

Frontend Portfolio Projects – [Asapfrontend.com](https://asapfrontend.com)

- Built responsive websites including restaurant landing pages and eCommerce platforms using HTML/CSS