TAMUNOIBIGONI INYE-TAM

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EDUCATION

Purdue University - Fort Wayne | Fort Wayne, IN
Bachelor of Science in Computer Science | Minor: Information Technology | August 2022 - May 2026
Relevant Coursework: Data Structures and Algorithm, Software Engineering, Computer Networks, Web Development

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Python, SQL, HTML, CSS
Frameworks: React, Node.js
Development Tools: Visual Studio Code, Git, GitHub, Netlify
Databases: SQL
Operating Systems & Software: Microsoft Windows, Microsoft Office Suite

PROJECTS

Algorithm Visualizer (React/JavaScript)

Developed an interactive web application that visualizes algorithms using JavaScript and React, creating an educational tool for computer science concepts.

- Interactive Visualization: Implemented animations for sorting algorithms (**QuickSort, MergeSort...**) and pathfinding algorithms (**Dijkstra's, A***) with adjustable speed controls.
- **React** Component Architecture: Designed reusable components for algorithm controls, visualization canvas, and statistical displays.
- Responsive UI Design: Created mobile-friendly interface with intuitive controls for algorithm parameter customization and real-time performance metrics.
- **Node.js** Implementation: Utilized Node.js to manage dependencies, build tools, and provide the development environment for the React application.

Auto Loan Calculator

Implemented a loan calculator application in **Java** with **JavaFX** for the frontend interface, focusing on reliability and user experience.

- Error Handling & Validation: Developed comprehensive input validation and error handling systems to ensure application stability.
- User Interface Design: Created an intuitive interface following IT service management principles for maximum usability.
- Application Testing: Implemented systematic testing protocols to identify and resolve edge cases and potential failure points.

Amazon Clone Web Application (HTML/CSS/JavaScript) – In Progress

Building a simplified Amazon clone to practice front-end development using core web technologies.

- Custom Product Listings: Manually added sample products to simulate a basic shopping experience
- Dynamic Checkout Page: Implemented cart and checkout functionality with delivery date calculation using the **Day.js** library.
- Unit Testing: Using **Jasmine framework** to test checkout functionality for reliability.
- Planned Features: Integration of an API for real-time package tracking.

ACTIVITIES

Robotics Club | Fort Wayne, IN

- Collected and analyzed sensor data to improve robotics system performance
- Documented detailed configuration management and test results
- Collaborated with team members to interpret technical data and implement improvements

WORK EXPERIENCE

Best Buy | Lansing, IL
Geek Squad Technical Consultant | *May 2023 - Present*

- Diagnose and troubleshoot software and hardware issues across multiple operating systems and devices
- Implement technical solutions for clients' computer systems, networks, and smart home setups
- Develop custom scripts to automate routine maintenance tasks and system optimizations