# 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 - December 2026*
**Relevant Coursework:** Data Structures and Algorithm, Software Engineering, Computer Networks, Web Development

## TECHNICAL SKILLS

**Programming Languages:** Java, JavaScript, C, Python, Ruby, SQL, HTML, CSS
**Frameworks:** React, Next.js, Node.js
**Cloud & Infrastructure:** AWS (EC2, S3, deployment)
**Development Tools:** Visual Studio Code, Git, GitHub, Netlify
**Databases:** Relational Databases (SQL)
**Operating Systems & Software:** Microsoft Windows, Microsoft Office Suite

## PROJECTS

**Level-Up Meds Web Application (Next.js, SQL, AWS) — Capstone Project - In Progress**
Collaborating in a team of 4 students and working alongside industry interns to develop a full-stack web application as part of a year-long capstone initiative.
- Integrating third-party APIs for real-time medication and health data retrieval.
- Deploying scalable cloud infrastructure on **AWS** (EC2, S3) for hosting and deployment pipelines.
- Collaborating in Agile sprints with peers and industry interns, performing code reviews and managing version control via Git/GitHub.
- Designing enhanced UI/UX features and database-backed functionality for medication tracking, adherence dashboards, and health logs.
- Planning accessibility and security improvements including 2FA/MFA, text-to-speech, multi-language support, and audit trails.

**Algorithm Visualizer (React.js, CSS) | GITHUB REPO**
Engineered an education web application that visualizes sorting algorithms
- Implemented interactive animations for sorting algorithms (**QuickSort, MergeSort...**) with adjustable speed controls.
- Engineered reusable **React** components for algorithm controls, visualization canvas, and statistical displays.
- Optimized UI for mobile responsiveness and accessibility.
- Managed dependencies and build tools using **Node.js** for development and deployment.

**Auto Loan Calculator (Java/JavaFX) | GITHUB REPO**
Developed a fully functional loan calculator desktop application in **Java** with **JavaFX,** emphasizing performance, reliability, and user experience.
- Engineered comprehensive input validation and error handling to eliminate calculation errors and ensure system stability.
- Designed and implemented an intuitive JavaFX interface that simplified loan simulations and improved usability for non-technical users.
- Conducted systematic unit and edge-case testing, improving accuracy and reducing potential failure points by identifying and resolving exceptions early.

## WORK EXPERIENCE

**Best Buy | Lansing, IL**
Geek Squad Technical Consultant | *May 2025 – August 2025 (Seasonal)*
- Diagnosed and resolved hardware/software issues across Windows and macOS systems, improving client system uptime and reliability.
- Installed and optimized home and small business networks, enhancing connectivity, performance, and security.
- Developed and deployed custom scripts to automate routine maintenance tasks, reducing service time and improving consistency.

## ACTIVITIES

**Robotics Club | Fort Wayne, IN**
- Analyzed sensor data to improve robot navigation efficiency during competition trials.
- Documented configuration management and testing results for performance evaluation.
- Collaborated with team members to implement system improvements.