OLASUNKANMI AJIROMOKE

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EDUCATION

Indiana Univerisity-Purdue University Indianapolis
B.S. Computer Science
Relevant Coursework: Software Engineering, Operating Systems, Data Structures & Algorithms

SKILLS

PROGRAMMING: C, Python, Java, C++, JavaScript, SQL, Linux, Windows
WEB TECHNOLOGIES: Express.JS, HTML, CSS, React, Node.JS, MongoDB, Express.JS, Next.JS, TailwindCSS
OPERATING SYSTEMS: Linux, Windows
METHODOLOGIES: Algorithms and Data Structures, Web Development, Database Management, Agile Development, Object-Oriented Design, Full Stack Development

EXPERIENCE

Indiana Army National Guard, *Signal Support Specialist*, Indianapolis, IN — May 2019 - Current

- Spearheaded the seamless integration of cutting-edge communication networks across multiple forward operating bases, ensuring uninterrupted real-time intelligence sharing and mission-critical coordination.
- Recognized for expertise in rapid deployment of mobile communication platforms, selected to lead training initiatives that upskilled 22 junior personnel, fortifying the unit's signal support capabilities.
- Devised an innovative diagnostic protocol that reduced average system downtime by 37%, significantly enhancing operational readiness and communication resilience in hostile environments.

Indiana University, *IT Support Specialist*, Indianapolis, IN — Jan. 2023 - May 2023

- Pioneered a new remote support strategy that reduced average resolution times by 25%, enhancing productivity and user satisfaction across the university's distributed workforce.
- Instituted a comprehensive knowledge base system that documented over 1,000 frequently encountered issues, empowering colleagues and enabling self-service solutions, resulting in a 40% reduction in recurring support requests.
- Commended for exceptional troubleshooting abilities, serving as a subject matter expert in resolving complex network and server-related issues, and training over 15 junior IT personnel in advanced diagnostic techniques.

IN LSAMP, *Summer Research Intern*, Indianapolis, IN — June 2022 - Aug. 2022

- Languages and Technologies used: Python, TensorFlow Library, Raspberry Pi.
- Engaged in an 8-week program learning about the theory of distributed learning and its limitations.
- Developed a highly efficient method to reduce the damage of model updates against local model poisoning attacks.
- Sharpened my knowledge of machine learning and its principles.

PROJECTS

Canvas Mini-Implementation — Jan. 2024 - June 2024

- Tech Stack: Python, CSV file handling, Object-Oriented Programming.
- Implemented a mini version of Canvas, a learning management system with data stored in CSV files by developing three modules: Admin, Student, and Instructor, with functionality for user authentication, data management, and course enrollment.
- Utilized Object-Oriented Programming methods, including classes and inheritance, to organize and structure code.
- Demonstrated attention to detail in meeting project requirements and rubric points, focusing on user experience and data integrity.

Online Store RMI — Aug. 2023 - Dec. 2023

- Tech Stack: Java, Java RMI, MVC architecture.
- Designed domain model and class diagrams following Object-Oriented principles and MVC architecture.
- Implemented user authentication, role-based access control, and remote method invocation using Java RMI, and developed core e-commerce functionality for browsing products, managing carts, and processing orders.
- Incorporated design patterns like Factory, Singleton, and Command for extensible and maintainable codebase.

JPMorgan Chase & Co. Code for Good Hackathon - 2023 — Nov. 2023 - Nov. 2023

- Tech Stack: MERN (MongoDB, Express.js, React, Node.js), RESTful APIs.
- Won 1st place out of 100 contenders.
- Within a stringent 24-hour timeframe, led a team to design and build the 'Future Connect' educational platform.
- Leveraged React, Node.js, Express.js, and MongoDB to create a highly scalable and performant full-stack application, and implemented RESTful APIs, server-side rendering, and efficient data fetching for a seamless user experience.
- Utilized agile methodologies, version control, and continuous integration for collaborative development.
- Optimized performance through code splitting, lazy loading, and effective state management techniques.
- Delivered a winning solution showcasing exceptional technical skills and the ability to thrive under tight deadlines.

Traffic Systems — Feb. 2023 - May 2023

- Python, OpenCV, Raspberry Pi, Multi-threading
- Developed computer vision algorithms using OpenCV for real-time violation and logging.
- Integrated Raspberry Pi with Python code to control hardware components like RGB LEDs and motion sensors, and implemented multi-threading for parallel execution of tasks like signal processing and data logging.
- Conducted comprehensive testing, calibrated system, and optimized performance for real-world deployment.