OSA IKHINMWIN

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Education

University of Ottawa   **Ottawa, ON**
Honours Bachelor of Computer Science   *September 2020 - April 2024*
- **Relevant Coursework:** Python, Java, C++, Data Structures & Algorithm, Databases, AI, Computer Architecture.
- **Activities and Societies:** Webmaster of National Society of Black Engineers, Hack the Hill & Men's Soccer.

Technical Skills

Languages: Java, Python, C++, GO, Javascript, Typescript, HTML/CSS, SQL.
Technologies/Frameworks: Git, React.js, Angular, Next.js, Node.js, REST, GraphQL, Firebase.

Experience

National Society of Black Engineers(uOttawa Chapter)   **Ottawa, ON**
Webmaster   *August 2023 - Present*
- Managed and maintained the chapter's website, ensuring up-to-date content and resolving technical issues promptly.
- Collaborated with the social media committee to integrate website updates with the chapter's online presence.
- Led a website redesign project, resulting in a more user-friendly and visually appealing site.
- Regularly monitored website performance, achieving a **99.9%** uptime rate through proactive server management.

Hack the Hill (Hackathon)   **Ottawa, ON**
Development Coordinator   *August 2023 - Present*
- Participated in the continuous maintenance and enhancement of key platforms, including the organization's website, and event management software.
- Proficiently utilized **TypeScript/JavaScript and React** for frontend and full-stack web development.
- Ensured the highest standards of code review and software development practices, emphasizing security, user-friendliness, and up-to-date functionality.

Self-Employed   **Ottawa, ON**
Web Developer   *January 2023*
- Built the **frontend** of an e-commerce store using **Angular/TypeScript, Express.js**, and integrated **stripe** for payment processing.
- Utilized **Angular material and Tailwind CSS** to structure the UI and create an intuitive user experience.
- Developed a checkout system and integrated **Stripe API** to enable secure and seamless payment processing.

University of Ottawa   **Ottawa, ON**
Peer Programming Tutor   *September 2022 - May 2023*
- Assisted 10+ students in improving their grades by 1-2 letter grades through personalized tutoring sessions.
- Developed customized learning plans for struggling students, resulting in a 100% success rate.
- Provided guidance in various programming languages and topics, fostering a collaborative learning environment.

Personal Projects

e-Hotels (Collaborative Project) - LINK   **April 2023**
- Designed and implemented a **MySQL** database schema for hotel chains, hotels, rooms, customers, and employees.
- Developed a responsive user interface using **React**, incorporating components such as forms, buttons, and modals.
- Utilized **React Router** for client-side routing and **Redux** for efficient state management.
- Integrated middleware, including Next.js's built-in body-parser and **CORS**.
- Implemented an API using **Next.js** with RESTful endpoints for **CRUD operations**
- Interacted with the **MySQL** database using the **Node.js MySQL driver**, executing SQL queries for db operations.
- Collaborated with a team to gather requirements and deliver a high-quality application.

Pharmacy Management System   **December 2022**
- Developed an **Angular** application for the recording and tracking of patients' medical prescriptions.
- Created a **RESTful Web Service API** using **Springboot** backed by an **SQL Database**.
- Implemented **JSON Web Token (JWT)**-based authentication and authorization for the REST API.
- Encapsulated application in **Docker/Docker Compose** for streamlined deployment across various environments.