

Sothyra Chan

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EDUCATION

Software Engineering Technician Diploma (GPA 3.8 / 4.5)

January 2023 – August 2024

Centennial College, Toronto, ON

- **Relevant Coursework:** Web Interface Design, Client-Side Web Development, Web Application Development, Software Development Project 1

SKILLS

- Solid understanding of JavaScript, Node.js, Express.js, React.js, React Native, R3F, Oracle, MySQL, MS-SQL Server, MongoDB, Git/GitHub, Python, PL/SQL, Machine Learning, Object-Oriented Design, Java, and Unix/Linux

PROJECTS

Smart Home Energy Optimization System (React Native)

May 2024 – August 2024

- Roleplayed as the agile customer immensely assisting a team of 6 people with the weekly meeting and planning documentation throughout the entire software development life cycle of a 4-month timeframe.
- Assisted in developing a cross-platform mobile application using React Native, TypeScript, and MySQL for sign-up, sign-out, and profile pages.
- Collaborated with a team and contributed to API development and testing to ensure smooth integration with the MySQL database to simulate real-world energy usage.

Job Tracker (React.js)

September 2024 - Present

- Contributed to designing the UI/UX for the Job Tracker website using Figma focusing on creating an intuitive and user-friendly interface.
- Implemented front-end functionality based on the provided UI/UX designs, ensuring adherence to design specifications and enhancing the user experience.
- Conducted research and planned features for the website to align with project goals and user needs to inform development and future improvements.

Personal Portfolio (React.js & R3F)

February 2025

- Developed a responsive portfolio website using React.js and Tailwind CSS, ensuring a modern UI/UX for an optimized user experience.
- Integrated a custom 3D character from Ready Player Me, enhanced with Mixamo animations, and rendered interactively using React Three Fiber (R3F) for user engagement and creativity.
- Customized the 3D model in Blender, modifying the outfit and skin tone for a personalized touch.
- Implemented dynamic form submission using EmailJS, enabling real-time communication and improving user engagement.

Electronic Library (Full Stack)

January 2025 - Present

- Developed a full-stack e-library application with React, Node.js, Express, MySQL, and Google Drive API integration.
- Implemented user interface components for book management, search, and display, leveraging Bootstrap for responsive design.
- Integrated Google Drive API for secure file storage and retrieval, handling authentication and public URL generation.

- Enhanced backend architecture by migrating file storage to Google Drive and implementing secure, efficient API endpoints.

EXPERIENCE

Centennial College

Toronto, ON

Peer Tutor

July 2024 – August 2024

- Gained expertise in mentoring students in foundational JavaScript, Python, and Linux and guiding them through teaching and problem-solving challenges.
- Improved technical, communication, interpersonal, and problem-solving skills by identifying student needs and providing tailored and effective support.

VOLUNTEERING

Human & Hope Association

Siem Reap, Cambodia

Library Assistant

September 2023 – November 2023

- Developed and maintained a full-stack e-library web page for internal members to upload and access books, improving digital resource management.
- Organized and documented weekly reports on borrowed books, returns, and student engagement, demonstrating strong written communication skills.
- Assisted in correcting mismatched Google Map locations for the organization, improving online content accuracy and accessibility.
- Created engaging reading activities to promote literacy while ensuring a well-structured, organized, and hygienic library environment.

Human & Hope Association

Siem Reap, Cambodia

English & Khmer Teacher

September 2023 – November 2023

- Utilized speaking and listening skills to teach entry-level English & Khmer to almost 100 local Cambodian children.
- Imparted the essential living values to the pupils to foster positive attitudes and behavior every Friday.
- Helped students maintain their mental well-being through morning activities such as meditation.
- Assisted in filming the interview process of the team members and the successful client for the association's agriculture projects.
- Documented end-of-study reports about each student's assessment evaluation and their study outcomes.