

SAMAR CHAUHAN

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<https://github.com/scKamui>

EDUCATION

Thompson River University - Kamloops, B.C

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Software Engineering, User Experience/User Interfaces, Object-Oriented Programming, Network Systems, Full Stack Development, Database Management Systems, Human-Computer Interaction, Mobile App Development, Human-Centred Design

SKILLS

- **Programming Languages:** Python, JavaScript, PHP, Java, C/C++, HTML5, CSS3, SQL, Swift, NextJS, MongoDB, Tailwind CSS
- **Web & App Development:** AJAX, REST APIs, MVC, XAMPP, phpMyAdmin, MySQL, Oracle DB, CoreGraphics, UserDefaults
- **Tools & Platforms:** GitHub, Xcode, Linux/Unix, Agile & Scrum, ffmpeg, yt-dlp
- **Concepts & Methodologies:** Object-Oriented Programming (OOP), Full Stack Development, Mobile App Development, UX/UI Design
- **Soft Skills:** Problem Solving, Team Collaboration, Communication, Time Management

PROJECTS

SportsPro Technical Support Web Application

Technologies: *PHP, MySQL, HTML/CSS, phpMyAdmin, XAMPP*

- Developed a role-based support system for admins, technicians, and customers using PHP and MySQL.
- Implemented secure login/logout with session handling and password-based authentication.
- Built dynamic interfaces for managing products, customers, incidents, and assignments using prepared SQL statements.
- Added customer registration and technician tracking with validation and user-specific views.
- Tested and deployed locally using XAMPP and phpMyAdmin.

OfferTrail: Internship/Job Application Tracker

Technologies: *PHP, MySQL, HTML/CSS, JavaScript*

- Developed a full-stack job tracking platform with role-based login and user-specific dashboards.
- Implemented CRUD functionality and dynamic status filtering using AJAX for real-time updates.
- Designed a calendar view with color-coded entries to visualize application timelines.
- Styled the interface with a modern, admin-inspired UI using custom CSS.

FocusPal: iOS Study Timer App

- Developed a Pomodoro-based productivity app with a custom CoreGraphics progress ring and timer controls.
- Implemented persistent settings (dark mode, sound toggle) using UserDefaults.
- Added a history view to display past study sessions, enhancing user motivation and engagement.
- Followed MVC architecture and improved accessibility through usability testing and feedback-driven updates.

YouTube Video Downloader

Technologies: *Python, yt-dlp, ffmpeg*

- Automated high-quality downloads and merged streams into .mp4 format.
- Implemented fallback handling for YouTube API changes; supports offline viewing.