

PATRICIA SUNDAY

personal-portfolio-euyh.onrender.com/

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TECHNICAL SKILLS

- **Languages & Frameworks:** Python, Java, Dart, Flutter, SQL, NOSQL, HTML/CSS, PHP, JavaScript
- **Concepts:** Object-Oriented Programming, Agile Development, Design Patterns (DAO, Singleton, Factory, Builder, and more), Testing (JUnit)
- **Operating Systems:** Windows, Unix/Linux (via VMware Workstation Pro)
- **Database Systems & Tools:** MySQL, PostgreSQL (pgAdmin), SQL Server, MySQL Workbench, MongoDB, Oracle SQL Developer, Microsoft Access
- **Development Environments & Tools:** Eclipse IDE, Apache NetBeans, VS Code, Android Studio, XAMPP, Git, GitHub
- **Analytics & Networking Tools:** Altair AI Studio/RapidMiner, Power BI, Cisco Packet Tracer

EDUCATION

Computer Programming and Analysis

Sep 2024 – Present

Algonquin College, Ottawa, Canada

- 3-Year Advanced Diploma (Expected 2027)
- 2x Dean's Honours List
- GPA: 3.77/4.0

RECENT COURSEWORK

- Object-Oriented Programming with Design Patterns (CST8288)
- Business Intelligence & Data Analytics (CST8390)
- Mobile GUI Programming (CST2335)
- Systems Analysis & Design (CST2234)
- Network Programming (CST8109)

CERTIFICATION

- PCEP – Certified Entry-Level Programmer Nov 2025

PROFESSIONAL SKILLS

- Language: English (Fluent), French (Basic)
- Ability to exercise a systematic thinking approach, anticipating and solving problems
- Accurate use of mathematical operations, accounting for precision loss as well
- Effective time management to submit deliverables on time
- Strong written and verbal communication skills, with experience delivering technical content accessibly
- Comfortable with organization and navigation of technical documentation
- Desire to learn new technologies and expand on professional soft skills
- Proven collaboration skills through several successful team projects

PROJECTS

Public Transit Fleet Management System App – User/Vehicle Management

Jul – Aug 2025

OOP with Design Patterns, Java - Servlets/JSP - MVC - JDBC - MySQL - DAO – Singleton - Strategy

- Collaborated with a team to design and implement a 3-tier web application deployed on Tomcat
- Built modules for User Registration & Authentication and Vehicle Management with role-based access control and session management
- Applied multiple design patterns to ensure maintainable and scalable code, including Front Controller design pattern for request routing
- Designed and populated a MySQL database using scripts
- Integrated JDBC for CRUD operations using secure prepared statements
- Practiced version control using Git/GitHub for collaboration and cohesive deployment

Airline Booking App – Customer Management

Jun – Aug 2025

Mobile GUI Programming, Flutter/Dart – SQLite/Databases – GitHub

- Collaborated with a team to develop an airline-booking android app with integrated backend data storage
- Created and managed local databases using Flutter's Floor/SQLite and EncryptedSharedPreferences for persistent and secure data storage
- Built the customer management feature with add, view, update, and delete functionality
- Optimized responsive layouts to ensure a consistent UX across different screen sizes

Personal Portfolio Website

May 2025 – Present

HTML/PHP - Tailwind CSS – JavaScript – VSCode - Git/GitHub - Docker

- Developed a personal portfolio website from scratch using HTML and PHP
- Self-taught Tailwind CSS to display a clean and modern UI
- Wrote a basic Dockerfile to create a consistent environment for running the service
- Applied version control using Git, and connecting GitHub with Render for easy update deployment
- Improved folder structure, following industry practices to allow web hosting and easier file maintenance

Agile Project Planning: Property Management System

May – Aug 2025

Systems Analysis and Design, Agile - Word - Excel

- Lead a team through a project planning simulation of DoorLoop Property Management System, using Agile practices
- Coordinated team collaboration through regular communication and balanced task assignment to ensure timely delivery of project milestones
- Practiced iterative planning, stakeholder analysis, and other documentation methods
- Compiled detailed deliverables including:
 - Stakeholder vision document
 - Software requirements specification document
 - Work breakdown structure document
 - RAID log (risks, actions, issues decisions)
 - UML Diagrams (use cases, sequence diagrams, etc.)

Sewing Shop Management System

Feb 2025

Database Systems, SQL – SQL Server Management Studio – Microsoft Access

- Led a team to design a shop management system, with back-end data in SQL Server and front-end UI in Access
- Linked database tables and integrated them into a user-friendly Access application
- Constructed queries, forms, and reports for simpler user-friendly data entry and general usability