

Sagar Karwal

I'm a BSC Applied Computer Science student at The University of Winnipeg with hands-on experience in app development. I work as a freelancer, building custom mobile apps and full stack solutions for small businesses, including server management and deployment.

EDUCATION

The University of Winnipeg, Bachelors in Applied Computer Science

3rd Year

GPA:3.10+

Graduation: August, 2025

Focus: Software Development, App Architecture, and System Design

Tools & Tech: Java, Flutter, React, Firebase, Git

Database: Cloud Firestore, MySQL, MongoDB, MS Access, Realtime DB

EXPERIENCE

Canadian Pathway Immigration Services (CPIS) Inc. — Office Assistant

March 2023 - Present

IT Support - Software, Hardware, tech support, embedding software

Digital Marketing - Meta Ads, Google Ads

Records Management - Finance & HR databases

Bookkeeping - Invoicing, expenses, QuickBooks

Documentation - Reports, Emails, Office Letters

Client Support - Inquiries, calls, scheduling

FreeLancing Experience -

Stellar Infotech Inc. — Full Stack Developer & Cloud Associate

October 2023 - Present

Server Management

Web Development

App Development

Cloud Computing

Social Media Manager

Integrated **RESTful APIs** and third-party services

App Development

November, 2023 - Present

Currently supporting and developing full-stack applications with a focus on performance, bug resolution and user experience.

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[LinkedIn](#)

[Social Media](#)

[Portfolio](#)

[Github](#)

SKILLS

Languages & Development:

Java | Flutter | Dart |

JavaScript HTML | CSS | React

| Node.js | Android

Development | Full Stack

Development

API Integration:

RESTful APIs | Firebase APIs |

Google APIs | Third-party

APIs

Testing & Deployment:

UnitTesting | UI Testing |

CI/CD (manual and automated
deployment) | Docker

Database & Backend:

Firebase | MongoDB

PostgreSQL | MySQL

MS Access | Database Queries

Data Management

Tools & Platforms:

Jira | Firebase | Spring MVC |

Docker | Rest APIs | Git | MS

Office | Google Workspace

Soft Skills:

Digital Marketing

Bookkeeping

Technical Documentation

Google & Meta Ads

Certifications



Google AI Essentials

Link - Certificate -

Completed a hands-on course covering core AI concepts, machine learning basics, ethical AI use and real-world applications, designed by Google AI experts.

- Develop custom mobile applications for local small businesses to streamline operations and improve customer engagement.
- Handle end-to-end development including UI/UX, backend integration, and deployment using **Flutter, Firebase**, and cloud technologies.
- Provide ongoing support, updates, and feature enhancements based on client needs.
- Work closely with clients in Winnipeg to understand their business goals and deliver tailored app solutions.
- Utilize **Java** for backend development tasks, data handling, and business logic implementation where applicable.

PROJECTS

CatchUp App— Real-Time Chat App (Flutter, Firebase, Dart)

- A **real-time chat application** with **Google Sign-In** and **cloud-based messaging**.
- **Built full-stack features** including **authentication, message storage**, profile management, and notifications.
- **Integrated Firebase Auth**, Realtime Database, Cloud Storage and Firebase Messaging.

ToDo App – Task Manager App (Flutter, Dart)

- **Focused on intuitive UX with efficient state management and dynamic UI updates.**
- Designed a simple, user-friendly task management app with clean UI and animations.
- Implemented task creation via a floating action button and input dialog.
- Tasks are displayed in interactive cards with checkboxes to toggle completion (strikethrough effect).

Food_Cart App – Food Cart App (Flutter, Firebase, Dart)

- Built a full-featured food delivery app with **Google Sign-In** and **email/password registration** using Firebase Auth.
- Designed a **responsive UI** with **tab bars, drawers**, and a toggle for **dark/light mode**.
- Integrated a product catalog with categorized food items and a seamless navigation experience.
- Implemented **real-time credit card payment simulation** using Flutter Credit Card widget.
- Added **receipt generation feature** after checkout and cart summary.
- **Prioritized clean UI/UX for a smooth and intuitive user journey.**

Core Java Programming

Certificate – Samrat Software Solutions

Completed training in OOP, file I/O, and exception handling; applied Java in full stack development for backend logic and integration.

LANGUAGES

English | Hindi | Punjabi | Urdu

References:

1. **Jessica Espin Arcos** (Human Resources Coordinator)
2. **Blake Hofer, CPHR** (Human Resource Advisor)