

# Archi Patel

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## Professional Summary:

Software Developer and Computer Programming & Analysis (Co-op) student with strong foundations in **data structures, algorithms, databases, and object-oriented design**. Experienced in building **full-stack, cloud-enabled, and cross-platform applications** using **Java, Python, C#, JavaScript, and Flutter**. Demonstrated ability to design clean software architectures, develop RESTful APIs, work with relational databases, and leverage **AI-assisted development tools** to improve code quality and productivity. Passionate about developing **scalable, user-focused systems** that align with technology-driven learning and innovation.

## Technical Skills:

- **Languages:** Python, Java, JavaScript (Node.js, React), SQL, Dart
- **Core CS:** Data Structures & Algorithms, OOP, Software Design Patterns, Distributed Systems
- **Databases:** MySQL, SQL Server, Oracle
- **Tools & Platforms:** Git, GitHub, Docker, AWS, Azure DevOps, VS Code, Visual Studio
- **Frameworks:** Flask, Spring Boot, Express.js, Flutter, .NET / ASP.NET
- **AI Tools:** GitHub Copilot, ChatGPT (debugging, refactoring, optimization)

## Education:

### Advanced Diploma, Computer Programming and Analysis (Co-op)

Conestoga College – Waterloo, ON

Jan 2023 – Apr 2026

- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Software Architecture, Database Design, Operating Systems, Software Testing & QA

## Projects:

### 1. HomeEase – Service Provider App (Flutter, SQLite, Python API)

- Built a cross-platform app for booking plumbers, cleaners, and gardeners.
- Implemented SQLite database for user authentication and integrated with a Python API for CRUD operations.
- Designed UI/UX using Flutter, ensuring smooth navigation and responsive layouts.

### Skills Demonstrated:

Flutter, Dart, Python, REST APIs, SQLite, OOP, Software Architecture, UI/UX Design

### 2. Cloud Expense Tracker (AWS, Node.js, MySQL)

- Developed a serverless expense tracking system using AWS Lambda & S3 for storage.
- Integrated MySQL RDS database and built REST APIs with Node.js.
- Deployed CI/CD pipeline with GitHub Actions, reducing manual deployments.

### Skills Demonstrated:

AWS, Serverless Computing, Node.js, MySQL, CI/CD, GitHub Actions, Distributed Systems

### 3. Smart Recycling Web App (React, Flask, Oracle DB)

- Hackathon project focused on e-waste recycling education and marketplace.
- Built a React-based UI with a Flask backend and Oracle DB for data storage.
- Included gamified learning modules and a marketplace for recycled products.

### Skills Demonstrated:

React, Flask, Oracle DB, Full-Stack Development, Agile Collaboration, Problem Solving

## Achievements & Leadership:

- Executive Member Applicant, Google Developer Student Club (Conestoga College)
- Participant, Women’s Hackathon 2024 – Waste Recycling (Top 5 Team)
- Mentor, Peer Programming Study Group at Conestoga College (Python & SQL tutoring)