Dhanika Botejue

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EDUCATION

Cameron Heights Collegiate Institute | Kitchener, ON   **Sept 2024 - June 2028**
Pursuing IB Diploma Program
Relevant Courses: Computer Engineering Technology (Arduino/C, Computer-Aided Design)

TECHNICAL SKILLS

Languages: C, **JavaScript**, **Python, Scratch**
Technologies: Arduino, Bootstrap**, CSS3**, **HTML5,** Flask, Google Gemini API, SQLite, Whisper
Tools: Arduino IDE, Git, OnShape, TinkerCAD, Visual Studio Code

EXPERIENCE

Private Python Tutor | Remote   **May 2025 - Present**
- Taught foundational Python programming to beginners (ages 10+), covering core concepts through structured, interactive lessons.
- Designed customized lessons with **hands-on exercises**, **mini-projects**, and **real-world analogies** to reinforce learning.
- Tracked student progress with incremental challenges, from basic syntax to complex logic (loops, functions, error handling).
- Developed a **10-lesson curriculum** that boosted student confidence in coding fundamentals.
- Integrated **project-based learning**, culminating in a text adventure game combining all concepts (variables, loops, conditionals).
- Adapted teaching methods for different learning styles (visual, kinetic) using tools like Turtle Graphics for engagement.

CERTIFICATIONS

CS50's Introduction to Computer Science | Harvard University, Cambridge, MA   **April 2025 - July 2025**
- Learned C, Arrays, Algorithms, Memory, Data Structures, **Python**, Artificial Intelligence, SQL, **HTML**, **CSS**, **JavaScript**, Flask, and Cybersecurity.

CS50's Introduction to Programming with Python | Harvard University, Cambridge, MA   **Jan 2024 - June 2024**
- Mastered Functions, Variables, Conditionals, Loops, Exceptions, Libraries, Unit Tests, File I/O, Regular Expressions, and Object-Oriented Programming.

Python for Beginners | University of Moratuwa, Sri Lanka   **Jan 2023 - Aug 2023**
- Learned **Python fundamentals** (variables, loops, functions), **advanced programming** (OOP, file I/O), and **software development** (unit testing) through structured projects and algorithmic problem-solving.

PROJECTS

YouTubeTranslate | Python, Flask, SQLite, HTML, CSS, JavaScript   **July 2025 - Aug 2023**
- Developed a **full-stack web app** that translates YouTube videos into other languages using **Python** (Flask, Whisper, gTTS) and integrates seamless video/audio processing with FFmpeg.
- Designed a user-friendly interface (**HTML/CSS/JS**) with secure login (SQLite sessions).

NoteVision | Python, Flask, HTML, CSS, JavaScript, MongoDB   **June 2025**
- Built an AI-powered study planner using **Google Gemini** to extract tasks from screenshots and auto-generate reminders with due dates.
- Created a **full-stack** Flask/MongoDB web app for managing tasks, featuring image uploads, deadline tracking, and completion status.