

# SARVESHWAR SENTHIL KUMAR

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## OBJECTIVE

Motivated and self-taught full-stack developer with a proven track record of building end-to-end software products, hackathon prototypes, and AI-integrated platforms. Seeking a software engineering opportunity to apply problem-solving, design, and coding skills in a collaborative and fast-paced environment.

## TECHNICAL SKILLS

Languages: Python, JavaScript, C, C++, Java, SQL, HTML/CSS

Frameworks & Libraries: Flask, React.js, OpenCV, TensorFlow, Node.js

Tools: Git, GitHub Actions, Arduino, Firebase, SQLite, Figma, Replit

APIs: Google Gemini, Cohere, OpenAI, Google Maps, yFinance

Other: REST APIs, Object-Oriented Programming, UI/UX Design, Agile Workflows

## PROJECTS

- DevTick – Productivity Platform for Developers

Flask, SQLite, HTML/CSS, JS

A dark-themed web app offering task tracking, idea storage, contact book, API key management, and integrated AI assistant to boost developer efficiency.

- ReSourced – Educational Non-Profit Platform (CTO & CMO)

Flask, SQL, UX Design, Team Leadership

Built a learning platform to support under-resourced students globally. Directed technical architecture and marketing strategy. Featured on CP24.

- CiviClinic – Civic Health and Emergency Support Platform

Flask, HTML/CSS/JS, AI (Gemini + OpenCV)

Hackathon project integrating AI for symptom analysis and bruise detection, with tools to connect users to nearby doctors and emergency resources.

- InboxArmour – AI Email Safety Dashboard

React, Flask, Cohere API

Designed an AI-powered email client that classifies spam/scam messages, summarizes threads, and categorizes inbox content for better safety and organization.

- Roamify – Outdoor Activity Recommender

Python, Flask, Google Maps API, Gemini AI

Built a smart planner for outdoor exploration using location and interest-based input, weather APIs, and real-time activity suggestions.

- Auto-Throttle & Tachometer Systems

C, Arduino, Flask, Sensors

Created an IR-based tachometer and a remote throttle control system using Flask web interfaces, microcontrollers, and custom digital displays.

- Stock Simulator with AI Chatbot

Python, yFinance, Flask, Gemini API

Live stock simulation app with a real-time portfolio system and AI chatbot for company info, built for financial literacy and experimentation.

## **INDEPENDENT INITIATIVES**

- SarsoftRobot (2021–2023): Explored dozens of Python modules through continuous CLI-based development—solidified core programming foundations.
- SarQuest: Built a complete 2D adventure game in Java, using OOP and animation logic—sparked deeper interest in game dev and systems programming.
- CoderPort: Developed a nonprofit platform to help beginner developers navigate tools, templates, and best practices. Includes curated learning paths and community-driven content.

## **EDUCATION**

Port Credit Secondary School – Mississauga, ON

High School Student, Class of 2025

Co-leads the Chess Club (50+ members); organized the Peel District-Wide Chess Tournament

Member of Computer Engineering & CS Programs

Delivered project showcases and peer tech support for Python and Arduino

## **ADDITIONAL EXPERIENCE**

Hackathons: Participated in multiple hackathons with functional MVP submissions combining full-stack and AI technologies

Technical Mentorship & Outreach: Created and shared beginner guides, project walkthroughs, and Python/Arduino tutorials with peers and junior students

Portfolio: Maintains a curated showcase of work at [sarveshwarsenthilkumar.github.io](https://sarveshwarsenthilkumar.github.io)