

Thanushan Satheeskumar

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TECHNICAL SKILLS

Programming Languages: Java, C++, Python, JavaScript, Dart, Go, SQL

Frontend: HTML/CSS, React.js, Vue.js, Bootstrap, Tailwind CSS

Backend & APIs: FastAPI, Node.js, REST APIs, Asynchronous Programming

Databases: PostgreSQL, MySQL, SQL Server

Developer Tools: Git, GitHub, NGINX, VS Code, SharePoint, Nintex, SQL Server Management Studio

Methodologies: Agile, Scrum, Test-Driven Development

Soft Skills: Problem Solving, Communication, Reporting & Presenting, Collaboration, Time Management

INTERNSHIP EXPERIENCE

Information Systems Developer

September 2024 – August 2025

Safran Landing Systems

Ajax, ON

- Developed and deployed a centralized landing page (HTML, CSS, JavaScript, SharePoint) used as a hub for all company web applications; designed, tested, and documented independently
- Maintained, migrated, and enhanced 10+ SharePoint sites and internal web applications to streamline workflows and improve collaboration
- Worked with SQL databases through SQL Server Management Studio to support SharePoint enhancements, modify data, and create documentation for future developers
- Resolved 100+ incidents and service requests in ServiceNOW, reducing downtime and ensuring smooth IT operations
- Handled International Military and CGP/ITAR-classified data, ensuring compliance with regulatory standards and safeguarding sensitive information

EDUCATION

Ontario Tech University

September 2021 – April 2026

Bachelor of Science in Computer Science

Oshawa, ON

- Cumulative GPA: 3.9 / 4.3

PROJECTS

3D Avatar Mental Health Chatbot for Students | Python, FastAPI, LLaMA 3, Three.js, NGINX

[Demo](#)

- Designed and implemented a real-time conversational system using FastAPI to orchestrate LLM inference, text-to-speech generation, and avatar state synchronization
- Integrated Meta LLaMA 3 with session-based context management to support coherent multi-turn conversations
- Built an asynchronous audio processing pipeline to support low-latency avatar lip synchronization
- Deployed behind NGINX with SSL and reverse proxying to support concurrent users and stateless API requests

AI-Powered Workout and Macro Tracker | Python, Flask, Docker, MySQL, Nginx, Ollama

[Code](#)

- Built and deployed a full-stack fitness and nutrition platform with AI-generated workouts and recipes using locally hosted LLMs
- Designed secure RESTful APIs with Flask and SQLAlchemy, implementing JWT auth, CSRF protection, and encrypted credentials
- Containerized frontend, backend, database, and AI services with Docker Compose and deployed to a VPS behind Nginx with HTTPS
- Developed analytics dashboards to visualize workout activity, calorie balance, and macronutrient trends

Cookie Company Online Store | MEVN Stack, MongoDB, Node.js

[Code](#)

- Built a full-stack e-commerce platform using the MEVN stack with RESTful APIs for products, users, and orders
- Implemented authentication and role-based access control for separate admin and customer workflows
- Added real-time customer-admin messaging to support live communication
- Optimized client-side interactions using asynchronous requests and state-driven UI updates

OTHER EXPERIENCES

Operations Associate · Permanent Part-Time	November 2025 – Present
<i>DoorDash (DashMart)</i>	Scarborough, ON
<ul style="list-style-type: none">Accurately picked, packed, and handed off high-volume customer orders in a fast-paced warehouse environmentManaged inventory stocking, spoilage tracking, and shelf-life rotation to maintain operational efficiencyMaintained warehouse organization and cleanliness to support safe and reliable daily operationsReceived performance reviews exceeding typical new-hire benchmarks, reflecting strong accuracy, speed, and reliability	
Produce Clerk · Permanent Part-Time	May 2023 – Present
<i>Food Basics</i>	Scarborough, ON
<ul style="list-style-type: none">Maintained the fresh produce section by ensuring proper stocking, rotation, and display of fruits and vegetables to maximize product freshness and appealAssisted customers with their inquiries, provided product recommendations, and offered assistance in selecting the best produce items to meet their needs, fostering a positive shopping experienceCollaborated with co-workers to monitor inventory levels and report missing or damaged items efficiently, contributing to inventory accuracy and minimizing waste	
Teaching Assistant · Contract Part-Time	January 2023 – April 2023
<i>Ontario Tech University</i>	Oshawa, ON
<ul style="list-style-type: none">Responsible for assisting students in Programming Workshop 2 at Ontario Tech UniversityConducted 10 weekly lab sessions, facilitating programming application and troubleshootingEvaluated and graded 350+ assignments with timely feedbackDeveloped and delivered engaging programming tutorials, increasing student comprehension by 40%Collaborated with the instructor to refine curriculum and enhance teaching materials, resulting in a 15% boost in student satisfactionMaintained consistent communication with students through email and in-person interactions, responding to inquiries promptly and effectively	
Customer Service Representative · Seasonal Full-Time	May 2021 – August 2021
<i>TELUS Communications</i>	Scarborough, ON
<ul style="list-style-type: none">Efficiently handled a substantial workload by promptly responding to customer emails and phone calls in a fast-paced environment, consistently meeting response time targetsSuccessfully resolved a minimum of 300 customer inquiries each week while consistently achieving or surpassing performance benchmarks for response speed and accuracyActively engaged with customers, carefully assessed their needs, and delivered tailored solutions to enhance their overall experience	