

# ANOJ GANESH

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## EDUCATION

**Toronto Metropolitan University** Sept 2022 - May 2027 (Expected)  
*B.Sc. Computer Science (Honours, Co-Op) – 3.7 GPA – Dean’s List* Toronto, ON

- **Concentration:** Software Engineering
- **Awards:** Michael Jr. Julien Scholarship (awarded for academic excellence & initiative)
- **Relevant Coursework:** Data Structures, Algorithms, Databases, Web Development, Software Engineering II

## TECHNICAL SKILLS

**Languages:** JavaScript/TypeScript, Python, Java, C/C++, SQL, HTML/CSS  
**Web Development:** React, Next.js, Node.js, Express, Angular, Spring Boot, Flask  
**Tools/Platforms:** Git, Docker, Azure, CI/CD (GitHub Actions), Apache, Figma

## EXPERIENCE

**Freelance Web Developer** September 2024 – Present  
*WebBites* Toronto, ON

- Design and develop responsive websites/portfolios for **5+ clients** (small business and personal)
- Implement modern stacks (**Angular, Spring Boot, Tailwind**) to build real-world applications
- Manage full project lifecycle: **client consultation, design mockups, development, and deployment**
- Used **Lighthouse metrics** to guide performance and **SEO optimizations**

**Data Analyst Engineer** May 2023 – August 2023  
*ATS Software* Scarborough, ON

- Designed **Tableau dashboards** that became primary decision-making tools for **3 client teams**
- Developed **Python** web scrapers (**BeautifulSoup/Selenium**) to parse 20K+ lines of HTML records, and verify part prices against vendor sites, ensuring **98% pricing accuracy** for the software database
- Automated data cleaning pipelines using **Pandas** and **Excel VLOOKUP**, reducing manual processing time by **93%**
- Applied **AI summarization** (GPT-3.5) using **tailored prompts** to extract key insights from 10+ technical reports

## PROJECTS

**EcoCatch** — [GitHub](#) — *React (JavaScript), Flask (Python), Selenium, PostgreSQL, Folium, Axios*

- Full-stack web app mapping Ontario fishing sites with real-time regulation updates (**TerraHacks 2024 Hackathon**)
- Implemented **interactive Leaflet maps** using Folium with custom fishing zone polygons from open GIS data
- Built **Selenium scraper** to sync 500+ water body records from Fish Ontario database
- Architected REST API with **Flask** and **Axios** for frontend-backend communication

**Club Finance Manager** — [GitHub](#) — *React, Flask, SQLAlchemy, Render*

- Full-stack financial management system with **JWT authentication** and password hashing
- Designed relational database schema and implemented CRUD operations via **SQLAlchemy ORM**
- Deployed frontend on **Render** with load-balanced Flask backend

**Real-Time TicTacToe** — [GitHub](#) — *React, Node.js, WebSockets, Heroku*

- Multiplayer game with **WebSocket** communication (Socket.io) for real-time move synchronization
- Implemented matchmaking logic to pair players in dedicated game rooms
- Reduced re-renders by **50%** using React memoization
- Implemented reconnection logic to restore games after player drops