

# NICANOR OBASI

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## EDUCATION

### Toronto Metropolitan University

Bachelor of Science, Computer Science Co-op

September 2021 - May 2026

**Relevant Coursework:** Artificial Intelligence, Data Structures & Algorithms, Web Development & Web Applications, Database Systems, Operating Systems

### Professional Certificates:

- Front-End Engineer Professional Certification | Issued by Codecademy
- Machine Learning | Issued by Stanford Online & DeepLearning.AI

## TECHNICAL SKILLS

- Programming languages: C, Python, Java, TypeScript, JavaScript, HTML, CSS/SASS, Shell, SQL, VBA
- Libraries & Frameworks: React, Node.js, Tailwind CSS, Next.js
- Tools & Platforms: PostgreSQL, MySQL, Oracle, MongoDB, Git/Github, Postman, Kubernetes, Docker, Linux, Azure, AWS, Netlify, Powerbi

## WORK EXPERIENCE

### IT Trainee Intern – City Of Toronto

January 2024 – December 2024

- Identified and resolved **100+** monthly security vulnerabilities for Toronto Water applications through log analysis and patching.
- Managed lifecycle of 200+ hardware and software assets, including acquisition, deployment, and decommissioning.
- Coordinated issue resolution with internal and external teams, tracking progress in **Jira** to ensure timely solutions.
- Troubleshoot endpoint hardware and software, including laptops, tablets, thin clients, and security technologies.
- Performed ongoing research and evaluation of existing and emerging technologies to improve service delivery and operational efficiencies.
- Researched and implemented emerging technologies, enhancing service delivery and boosting operational efficiency.
- Automated repetitive tasks and streamlined operations by creating **Python** scripts for system maintenance.
- Ensured data and infrastructure security compliance while monitoring and maintaining access controls.

## PROJECTS

### 🐙 Clothing Retail Store Application | PHP, SQL

- Developed a system to manage inventory, customers, transactions, and employee records, optimizing store operations.
- Designed and maintained a **SQL** database for accurate inventory tracking and streamlined data management.
- Delivered a user-friendly **PHP** interface to improve operational efficiency and customer service.

### 🐙 Canadian EV Population Analysis | Power BI, Python, Excel

- Designed and developed an interactive dashboard in **Power BI** to analyze the adoption and distribution of electric vehicles (EVs) across Canada, leveraging insights from detailed datasets.
- Conducted data preprocessing and analysis using **Python**, focusing on trends in EV types, average electric range, and adoption by model year, province, and brand.
- Optimized data visualization and reporting through Excel for clear presentation of insights to stakeholders, highlighting key patterns in EV growth.

### 🐙 CogniDocs (In Progress) | Next.js, DrizzleORM, OpenAI API, TypeScript, Stripe API, Tailwind, Gotenberg API, AWS S3

- Developing an AI-powered document workflow system to automate document handling and processing.
- Integrating **OpenAI's LLM** for text analysis and summarization, while leveraging **LangChain** to parse PDF documents for efficient embedding and indexing.
- Implementing secure payment processing using **Stripe API**, focusing on security and user convenience to protect consumer transactions.
- Designing a PDF merger web application using Gotenberg API, allowing users to combine multiple PDF documents effortlessly.
- Utilizing **DrizzleORM** for efficient and scalable database management of user data and documents.

## EXTRA CURRICULAR ACTIVITIES

- Toronto Metropolitan Algorithms and Coding Club (TMACC)
- Google AI Hackathon