# IKEOLUWA OLADELE

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## EDUCATION

**Computer Engineering Technology - Computing Science Advanced Diploma**          Expected: 2026

Algonquin College, Ottawa, ON                                                                                         GPA: 4.0/4.0

*Highlight of Courses:*

- Object Oriented Programming
- Data Structures and Algorithms
- Network Programming
- C Language
- Processor Architecture
- Operating Systems (GNU/Linux)
- Introduction to Database
- Web Programming
- Communications and Technical Communication

## SKILLS AND EXPERIENCE

### Programming Languages

- **C Language**
  - Debugging with GDB
  - Command line processing and inter-process control.
  - Data structures implementation (linked lists, etc.)
- **Java**
  - Unit Testing with Junit
  - Documentation with Javadoc
  - Design Patterns (singleton, factory, MVC)
  - Code optimization and Secure coding.

### Network Programming

- **Cisco's Introduction To Networking (ITN)**
  - Tools: Wireshark, Packet Tracer, Windows PowerShell, Cisco router
  - Router configuration, setting default routes, DNS servers, and DMZ setup
  - Packet traffic monitoring with Wireshark
  - IPv4 and IPv6 configuration and subnetting
  - Socket programming with UDP and TCP

### Processor architecture

  - Circuit programming and design using AsmIDE and Multisim
  - Microcontroller programming in assembly language
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### Operating Systems (GNU/Linux)

- Knowledge of the Linux Operating system

- Experience with bash scripting
- Basic understanding of operating systems.

## Web Programming
- **Frontend:** HTML5, CSS3, SASS, JavaScript, Angular, Bootstrap
- **Backend:** LAMP stack (Linux, Apache, MySQL, PHP)

## Database
- Tools: PgAdmin, MySQL Workbench
- ERD Diagram design
- PostgreSQL and MySQL implementation

## Additional Skills
- Scripting and automation with bash (cron jobs)
- Familiarity with python

**PROJECTS**

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## Website Portfolio
Personal Portfolio

- Developed a responsive website using SCSS, HTML5, and JavaScript.

## IPV4 Network Subnettor (Academic Project)

IPV4 Calculator

- Developed a Java Swing application to analyze and display network information.

## Basic Router Configuration (Academic Projects)

- Network troubleshooting using tracert(traceroute) and ping via PowerShell and bash.
- Simulated network connectivity in Packet Tracer.
- Configured networks and DMZs on Cisco routers.
- Successfully accessed school server resources by configuring appropriate network settings.

## Database Design (Academic Project)

- Led a team to develop a database for a manufacturing company based on client requirements.
- Created business rules and developed ERD and physical diagrams.
- Implemented the diagrams in PostgreSQL.

## Course registration system
- Developed a CLI course registration system application as part of an academic project in c language
- The system keeps track of the students, the courses available, the number of students enrolled and each course each student takes.

**REFRENCES**

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Provided upon request