

# NIGORA JUMAEVA

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## PROFESSIONAL SUMMARY

- Computer Programming and Analysis student at Seneca Polytechnic, actively developing strong skills in Object-Oriented Programming (C, C++, Python), Web Development (JavaScript, HTML, CSS, NodeJS, Express), and Database Systems (Oracle SQL, MongoDB).
- Continuously expanding technical and analytical expertise through Coursera, Google, and HackerRank learning platforms, earning certifications in Data Analytics, Python, and Business Communication.
- Skilled in data modelling, query optimization, and secure application design, applying knowledge from both academic coursework and self-directed projects.
- Experienced with Agile teamwork, using Jira, Git/GitHub, and Linux/Unix environments to collaborate effectively and deliver results on time.
- Demonstrated problem-solving, research, and design-thinking abilities, supported by strong communication and leadership developed through teaching and teamwork.

## TECHNICAL SKILLS

**Programming Languages** C, C++, Python, SQL, JavaScript, HTML5, CSS3

**Databases** Oracle SQL, MongoDB, MySQL (basic)

**Operating Systems** Windows, Linux/Unix

**Tools & IDEs** Jira, Excel, GitHub, Visual Studio, VS Code, Visual Paradigm

**Methodologies** Agile (Scrum, Kanban), SDLC, UML Diagramming

**Web Development** JavaScript, Node.js, Express.js (basic)

**Cybersecurity Basics** Secure coding, SQL injection prevention, and data encryption

## EDUCATION

Computer Programming and Analysis (Advanced Diploma)

September 2024 - Present

Seneca Polytechnic, Toronto

## PROJECTS

### Software Testing and Quality Assurance Project (SFT221)

- Conducted a full testing cycle using Black Box, White Box, Integration, and User Acceptance Testing to validate system functionality against requirements (R001–R007).
- Designed and executed **67 structured test cases** with 100% pass rate, covering valid/invalid inputs, edge cases, and critical system workflows.
- Built Requirement Traceability Matrix (RTM) ensuring **100% requirement coverage**, including shipment validation, route selection, and error-handling logic.
- Identified, reviewed, and confirmed resolutions for all pre-existing defects; validated final build as deployment-ready.

- Analyzed expected vs. actual outputs, documented minor formatting variances, and provided recommendations for improving conditional logic and output accuracy.

### **Smart Restaurant Billing & Ordering System (C++)**

- Built an OOP-based application for managing restaurant orders with modular classes and data files.
- Implemented automated billing, input validation, and UI logic using C++, C, SQL, and JavaScript.

### **HR Database Query & Reporting System**

- Developed analytical SQL queries using joins, subqueries, views, and functions to transform and report on HR data.
- Produced business insights such as salary distributions and department-level trends.

### **Oracle PL/SQL Sports League System**

- Built a database system with stored procedures, triggers, and views to manage players, schedules, and standings.
- Designed normalized schema and implemented complex PL/SQL procedures.

### **Multimedia Management Application (C++ | OOP & STL)**

- Developed a file-based system to load, store, and manage books, movies, and TV-show data using dynamic objects and STL containers.
- Implemented polymorphism, a custom collection manager, sorting/filtering algorithms, and an interactive menu.

### **JavaScript Data Normalization & Utility Library**

- Built JavaScript utilities for validating and formatting data (addresses, postal codes, URLs, licenses, etc.).
- Created modular testable code with full unit test coverage.

## **CERTIFICATIONS**

	<b>Issued in:</b>
Tips for Writing Business Emails – LinkedIn Learning	Feb 2025
Business Communication - Coursera and Seneca Polytechnic	Apr 2024
Ask Questions to Make Data-Driven Decisions – Google	Dec 2023
Foundations: Data, Data, Everywhere – Google	Oct 2023
Python Programming – Coursera	Sep 2023
Data Analytics – Coursera	Aug 2023