

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) Seneca Polytechnic, Toronto	September 2024 - Present
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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

Issued in:

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