KHUSH PATEL

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PROFESSIONAL SUMMARY

Software Engineering Technology (Co-op) student at Conestoga College (2024–2027) seeking a **Summer 2026 (4-month)** co-op in **Quality Assurance / Quality Engineering / Test Automation**. Strong foundation in **JavaScript, SQL, OOP, and SDLC**, with hands-on experience building and testing database-driven web applications. Comfortable working in **Agile** environments, identifying test scenarios, writing test cases, supporting automation efforts, and communicating quality risks clearly. Actively leverage AI/LLM tools across the SDLC for debugging, refactoring, test design, and documentation with a verification mindset.

TECHNICAL SKILLS

- **Programming:** JavaScript, C#, C, C++
- **Web:** HTML5, CSS3, JavaScript (ES6), responsive design, DOM manipulation
- **Testing & QA:** test case design, test scenario identification, exploratory testing, regression testing, defect reporting, test documentation, SDLC fundamentals
- **Automation (Exposure/Academic):** UI automation concepts, test harness/framework understanding, scripting for repeatable tests
- **Mobile/Web Testing (Exposure):** mobile browser testing concepts (Android/iOS), responsive testing, cross-browser basics
- **Databases:** SQL, MySQL, relational design, queries, joins, indexing basics
- **Core CS:** data structures & algorithms, OOP, debugging, input validation, error handling, clean code
- **Cloud:** Microsoft Azure fundamentals (deployment basics, monitoring basics)
- **Tools:** Git, GitHub, VS Code, Visual Studio, Windows, Linux
- **AI in SDLC / GenAI:** using LLM tools for test scenario generation, faster debugging, code review, refactoring, and documentation (prompting + verification mindset)

PROJECTS

Student Mining System | Web Application | GitHub: github.com/khushpatel1615/Student-Mining-

- Developed a database-driven web application to manage and analyse student records.
- Built front-end pages using HTML/CSS/JavaScript and implemented responsive UI behaviour.
- Implemented back-end logic and database integration for **CRUD** operations and reporting.
- Implemented authentication and authorization workflows (JWT/OAuth-based login flow where applicable).
- Wrote SQL queries for filtering, sorting, grouping, and joins to generate meaningful summaries.
- Improved reliability by adding input validation, edge-case handling, and clearer error messages.
- Used Git/GitHub for version control and iterative development.

QA / TESTING EXPERIENCE (Academic / Project-Based)
• Identified end-to-end test scenarios for web features (login, CRUD flows, validations, permissions).
• Created and executed manual test cases and documented results for regression checks.
• Practiced automation-first thinking by designing test steps that can be scripted and repeated.
• Used AI/LLM tools to brainstorm edge cases and convert scenarios into structured test cases, then validated results manually.

EXPERIENCE

Student Research Intern — GUNI Winter Student Research Program (GUNI-WSRP 2025–2026), Centre for Advanced Research Studies (CARS), Ganpat University | India
Start: On/after **Jan 01, 2026** | Duration: **4–8 weeks** | Program window: Dec 2025–Mar 2026
Project: *Students Performance Insights Using Educational Data Mining*
• Supported a supervised research project analysing educational datasets to generate performance insights and trends.
• Structured and queried data; documented assumptions, steps, and outputs to support mentor review and final reporting.
• Contributed to the final project report submission as a core deliverable of the program.

Sales Associate — The Home Depot (Plumbing/Electrical/Hardware/Seasonal/Cash) | Waterloo, ON
Summer 2024 – Present
• Delivered high-quality customer support by quickly understanding needs and troubleshooting requirements in a high-traffic environment.
• Collaborated across departments to resolve issues efficiently and maintain service quality.
• Maintained accuracy in transactions and inventory processes while handling multiple priorities and tight timelines.

EDUCATION

Conestoga College (Waterloo Campus) — Advanced Diploma, Software Engineering Technology (Co-op) | 2024–2027
Relevant: Programming, Databases, Software Design, Web Development, Testing/QA, Agile fundamentals

Ganpat University — Diploma in Computer Engineering | 2020–2023
Gold Medallist | CGPA: 9.63/10

ADDITIONAL
• **Co-op Availability:** Summer 2026 (4-month) and open to 4–16 months depending on role
• **Strengths:** analytical thinking, problem solving, communication, teamwork, fast learning
• **Work Authorization:** eligible to work in Canada