

# BHAUTIK PATEL

Toronto, ON | [bhautikp105@gmail.com](mailto:bhautikp105@gmail.com) | 437-734-3107 | [linkedin.com/in/l3hautik](https://www.linkedin.com/in/l3hautik) | [portfolio](#)

## PROFILE SUMMARY

Master's student in Applied Computing with practical experience in **automation, CI/CD pipelines, and software development** across fintech and technology domains. Skilled at streamlining workflows, building GitHub Actions pipelines, and developing automation utilities. Strong collaborator recognized for **problem-solving, adaptability, and cross-functional teamwork**

## SKILLS

- **Programming Languages:** Java, Python, JavaScript, TypeScript, R, C, PHP, Shell scripting (BASH), HTML, CSS
- **Frameworks:** React.js, Node.js, Express.js, Django, Flask, FastAPI, Bootstrap, Tailwind CSS
- **Database & BI Systems:** MySQL, MongoDB, Oracle, Microsoft SQL Server, Power BI, Tableau
- **APIs & Testing:** RESTful APIs, GraphQL, Postman, ReadyAPI, BDD (Cucumber), Selenium
- **Automation & CI/CD:** Git, GitHub, GitHub Actions (CI/CD), Jenkins, Docker, AWS
- **Methodologies:** Agile (Scrum, Kanban), Design Thinking
- **Other Tools:** JIRA, Qtest

## EDUCATION

- **Master in Applied Computing** May 2024 - Dec 2025  
*University of Windsor • GPA: 87.67/100* Windsor, ON
- **Bachelor of Computer Engineering** Jul 2019 - Jun 2023  
*HGCE - Gujarat Technological University • GPA: 8.85/10* Ahmedabad, India

## EXPERIENCE

- **Automation Analyst Co-op** May 2025 – Dec 2025  
*Royal Bank of Canada (RBC)* Toronto, ON
  - Automated manual workflows (e.g., tool migration), reducing effort and **saving 70% of team time**, while leveraging **AI-based utilities to accelerate processes**, streamline validation, and **improve overall accuracy**
  - Designed and deployed **CI/CD pipelines in GitHub Actions**, applying **shift-left testing** to detect defects earlier, integrating automated regression and smoke tests across environments, and **enhancing test coverage by combining REST and GraphQL APIs with BDD scenarios**
  - Built **automation frameworks with dynamic data creation** and participated in developing **BDD test scripts with highly reusable function-based approaches**, improving scalability and reducing test maintenance effort
  - Developed **Proofs of Concept (POCs)** and utilities, including extending **Postman** with database connectivity, enhancing **Newman reporting**, and creating automation scripts to support end-to-end validation
  - Worked extensively with **Postman, ReadyAPI, Newman, and BDD frameworks** to deliver reliable E2E validation and API testing solutions
  - **Self-learned BDD and GitHub Actions**, integrating them into end-to-end testing and collaborating with development teams for smoother CI/CD workflows
  - Provided **technical support and mentorship** to fellow co-ops, delivered **demos and KT sessions**, and prepared **documentation and presentations** to drive adoption of new tools and practices across QE and project teams
  - **Collaborated with Agile teams, QE, business, and development stakeholders** to validate post-migration scripts, close process gaps, and **consistently meet deliverables within defined deadlines**
- **Software Developer Intern** Jan 2023 - Jun 2023  
*Stallion Infotech PVT* Ahmedabad, India
  - Partnered with clients to gather requirements, translate them into technical specifications, and deliver tailored solutions aligned with business objectives under Agile methodology
  - Improved user experience by refining UI components, streamlining navigation flows, and implementing accessibility best practices, ensuring seamless functionality across devices
  - Designed, developed, and tested **RESTful APIs**, resolving **85% of post-production issues** proactively through early-stage debugging and robust validation
  - Optimized SQL and MongoDB queries, cutting query execution time by up to **40% and enhancing database performance** for faster application response
  - Gained hands-on exposure to CI/CD practices by exploring automated testing, build pipelines, and deployment workflows, contributing to more reliable and efficient releases

## PROJECTS

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- **CrediWise: Automated Loan & Credit Eligibility Analysis System**

Tools: *Spring Boot, Flask, MySQL, Angular, ML (XGBoost, Logistic Regression)*

- Developed Spring Boot REST APIs to integrate backend with an ML model and MySQL database, implementing business logic for real-time credit eligibility decisions
- Enabled applicants to receive instant pre-qualification results (approval, credit limit, interest rate) in under 2 minutes, streamlining traditional banking workflows
- Resolved backend-to-ML integration latency by modularizing APIs and adopting OpenAPI-first design, reducing **ML response time from 3.2s to 1.1s**
- Strengthened platform security by adding AES-256 encryption, JWT authentication, and Bcrypt hashing, while conducting simulated penetration testing (XSS, SQL injection)
- Collaborated in an Agile team with **TD Bank stakeholders**, leveraging A/B testing to improve form completion rates by 28% and ensure a production-ready solution

- **MetaPool: Optimizing Dataset Discovery with Metadata Integration**

Tools: *Java, Python, Selenium, React.js, MongoDB, Tableau*

- Automated metadata extraction using Selenium and API integration, **consolidating 5,600+ unstructured datasets** into a unified, searchable schema
- Developed a React.js web application with Node.js APIs and MongoDB backend for fast dataset search/filtering
- Integrated **Tableau dashboards** for data visualization, enabling stakeholders to derive insights without manual curation
- Solved the problem of dataset fragmentation by providing a scalable discovery platform, reducing search time from hours to minutes

- **Food Price Analysis System**

Tools: *Java, Selenium, React.js, JavaScript, MySQL, JSP*

- Designed a web crawler with Selenium to automate grocery price extraction, eliminating manual comparisons across stores
- Built a React.js front-end with MVC principles, ensuring clear separation of concerns and maintainability
- Implemented advanced data structures and **ranking algorithms** to **optimize search queries** and provide real-time price comparisons
- Delivered cost-saving insights for consumers while showcasing scalable automation for e-commerce data aggregation

## CERTIFICATIONS

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| • Unix Essential Training - LinkedIn Learning                                  | <i>Sep 2024</i> |
| • Selenium Essential Training - LinkedIn Learning                              | <i>May 2024</i> |
| • Java Programming: Solving Problems with Software - Duke University, Coursera | <i>Jan 2021</i> |