

BHAUTIK PATEL

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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

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

EXPERIENCE

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| • Automation Analyst Co-op
<i>Royal Bank of Canada (RBC)</i> | <i>May 2025 – Dec 2025</i>
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
<i>Stallion Infotech PVT</i> | <i>Jan 2023 - Jun 2023</i>
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

• 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 | Sep 2024 |
| • Selenium Essential Training - Linkedin Learning | May 2024 |
| • Java Programming: Solving Problems with Software - Duke University, Coursera | Jan 2021 |