

# Tirth Patel

Etobicoke, Ontario | +1 (647) 916-1311 | [tp131101@gmail.com](mailto:tp131101@gmail.com) | [LinkedIn](#) | [GitHub](#)

## PROFESSIONAL SUMMARY

A proficient computer science student with a strong foundation in software design, development, and testing. Skilled in the full software development lifecycle, agile methodologies, and project management, with hands-on expertise in multiple programming languages and technologies. A dedicated and effective communicator, adept at leading cross-functional teams to deliver innovative solutions in dynamic IT environments. Committed to continuous learning and staying updated with emerging technologies, striving to drive innovation and excellence in software development.

## EDUCATION

BSC in Computer Science (Specialized Honours)

Sep 20 - Present

York University, Toronto, Canada (Lassonde School of Engineering)

## TECHNICAL SKILLS

- Programming Languages: Java, Python, C, C++, HTML, CSS, JavaScript, React, Tailwind CSS, Nodejs, Express.js, SQL, MySQL, Bootstrap, Verilog.
- Technologies: Spring Boot, AWS E2C, J2EE, Servlets, JSP, OOP, XML, JDBC, Spring, Microservices, Hibernate, Webservices, REST, SOAP, Maven, Junit, DOM, Kubernetes, Swagger API.
- Other tools: MongoDB, Docker, SQLite, REST API, Jupyter Notebook, Eclipse, Android Studio, WordPress, Git, GitHub, Google Collab, Embedded Systems, Adobe Photoshop, Illustrator, Premiere Pro, After Effects, Canva, Visual Studio Code, IntelliJ.
- Fundamental Knowledge: Data Structure, Software design, Algorithm design, database design, object-oriented paradigm, complexity Analysis, MVC architectural pattern.
- Core Skills: SDLC, Agile Methodologies, Leadership, Communication, Problem-Solving, time management.

## PROJECTS

- Job Finder:  
(Spring boot, Java, React, Java Script, HTML, CSS, Mongo DB, Git)
  - Developed a full-stack job-finding application from scratch using Spring Boot and Java for backend services and React for the frontend.
  - Utilized MongoDB for data storage, with job listings and user data managed efficiently.
  - Designed a responsive and user-friendly interface using HTML, CSS, and JavaScript, providing users the ability to search, view, and apply for jobs.
- Portfolio:  
(React, Tailwind CSS, Java Script, Nodejs, Express.js, Git)
  - Built a responsive personal portfolio from scratch using React and Tailwind CSS for a clean and modern UI design.
  - Showcases detailed sections about professional introduction, projects, skills, and achievements, providing a comprehensive overview of expertise.
  - Integrated Node.js and Express.js for backend functionality and used Git for version control, with a contact section enabling easy communication.
- Renew Cars:  
(Java, Bootstrap, HTML, CSS, Java Script, SQLite, REST, AWS E2C)
  - Developed an E-Commerce web application for purchasing electric vehicles online, utilizing technologies such as Java, Bootstrap, JavaScript, JSP, Servlets, SQLite.
  - Followed agile development methodologies across three sprints: requirements analysis and design, server-side implementation with RESTful API, and client-side implementation, incorporating a test-driven development approach.
  - Deployed the application using AWS E2C services, as part of a group project for the 4th-year course EECS 4413 at Lassonde School of Engineering, York University.
- Codebreaker:  
(Java Script, HTML, CSS, Nodejs, Express.js)
  - Developed an interactive code-breaking game using JavaScript, HTML, and CSS, offering a dynamic user experience with challenging game mechanics.
  - Implemented backend functionality using Node.js and Express.js to handle game logic and server-side operations. Designed a sleek and engaging interface, focusing on user interaction.
- Car Price Prediction:  
(Python, Jupyter Notebook)
  - Developed a car price prediction model using Python and Jupyter Notebook, analyzing the dataset and applying multiple regression algorithms, including Linear Regression, Support Vector Regression, and Gradient Boosting Regression.
  - Achieved optimal performance with Stochastic Gradient Descent Regression (RMSE: 9222.46) and Voting Regressor, comparing results across models to minimize prediction error.

## CERTIFICATIONS

- Azure DevOps for Beginners (In Progress)

## WORK EXPERIENCE

Ecommerce Associate  
Walmart

Feb 22-Present