

# Furrukh Tanveer

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## EDUCATION

### Toronto Metropolitan University

Toronto, ON

Bachelor of Science in Computer Science

September 2020 - April 2025

**Relevant Coursework** Artificial Intelligence, Data Structures, Algorithms, Data Science, Web Development, Databases, Operating Systems, Discrete Structures, UNIX/C/C++

## EXPERIENCE

### Software Developer Intern

May 2023 – August 2023

Ontario Ministry of Treasury Board Secreteriat

Toronto, ON

- Formulated 4+ GoLang REST APIs for backend using SQLx with prepared statements and structs to prevent 3+ SQL injection vulnerabilities and decrease endpoint load times by 6%
- Enhanced frontend through Vue.js by following AODA standards, providing a web-accessible UI/UX reaching 29 Ontario Ministries
- Debugged 10+ PHP files by creating custom PHP WordPress plugins that resolved 4+ site functionality bugs

### Software Engineer Intern

May 2022 – May 2023

Loblaw Companies Limited

Brampton, ON

- Adopted Agile SDLC with JIRA and Scrum for development and QA across 3 cross-functional projects and teams
- Engineered Spring Boot and Java microservice to calculate GoldenGate replication latency to Oracle through REST APIs and SQL, increasing system latency visibility over 30%
- Architected Oracle data purging solution with Windows batch scripts, utilizing Autosys and PowerShell for failed transaction email alerts, improving query execution times by over 25%
- Developed Python script for MySQL and Postgres data replication to Oracle using REST APIs, achieving inserts for thousands of records in less than 2 seconds
- Leveraged SQL Developer to compose over 50 complex SQL queries, sub queries and joins among tables/schemas
- Designed over 4 Jenkins and OpenShift CI/CD pipelines utilizing Docker, enabling continuous integration and DevOps practices across lower, QA, and production environments

### Data Analyst Intern

February 2019 – June 2019

Builder Lynx

Toronto, ON

- Managed a SaaS-based cloud system for real-time client data analysis, achieving 99% data accuracy
- Conducted data validation using field-level checks and pattern matching, maintaining an error rate below 1%
- Collaborated with stakeholders on data error mitigation via profiling, ensuring accuracy and 100% system up time

## PROJECTS

### MERN TOURIST BOOKING APP | Node.js, Express.js, PUG, MongoDB, Sass, Full-Stack

- Engineered a RESTful API in Node.js and Express.js, utilizing Mongoose Schemas to support CRUD operations
- Formulated DB models and asynchronous JS functions for complex filtering queries following MCV architecture
- Displayed a responsive UI using Pug and Sass for accessible and mobile responsive front end

### FAMOUS QUOTES APP | Python, Flask, Vue.js, Bootstrap

- Developed back-end with Python and Flask creating a scalable ETL data retrieval model to parse 1 million records
- Implemented web scraping with DFS/BFS algorithms to analyze data and render less than 1-second response times
- Incorporated Vue.js for responsive front-end rendering, DOM manipulation, and Bootstrap for styling

## SKILLS

**Languages:** Java, Python, JavaScript, SQL, C, C++, C#, HTML, CSS, Bash, GoLang, PHP, TypeScript

**Frameworks:** Spring Boot, .NET, Node.js, Express.js, React.js, Angular.js, Vue.js, Flask

**Tools:** Git, Jenkins, Openshift, Powershell, Batch, Docker, Selenium, Datadog, GraphQL, Confluence, JIRA

**Technologies:** Kubernetes, OracleDB, MongoDB, MySQL, PostgreSQL, GCP, AWS, Azure