

Furrukh Tanveer

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EDUCATION

Toronto Metropolitan University (Formerly Ryerson 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 2024 – Present

OPTrust

Toronto, ON

- Engineered a data workflow using Python and PowerShell to process and deliver financial data gathered from 30+ files across 3 remote servers, achieving 100% automation.
- Trained an Azure OpenAI chatbot to engineer automated scripts compatible with job schedulers with a focus on cybersecurity, achieving over 40% time and cost savings for technical and business support.
- Designed a CI/CD pipeline by configuring Git runners on test Linux servers to SSH into a Windows server for automated test cases and production deployment, reducing manual intervention by 75%.

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 Accessibility for Ontarians with Disabilities Act (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, React, MongoDB, 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
- Rendered dynamic and responsive UI using React, leveraging state management, props, and hooks.

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, Excel, ServiceNow, Spunk, Tableau, PowerBI

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