Furrukh Tanveer

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EDUCATION

Toronto Metropolitan University (Formerly Ryerson University)   Toronto, ON
*Bachelor of Science in **Computer Science***   *Expected Graduation: 2025*
Relevant Coursework *Artificial Intelligence, Data Structures, Algorithms, Data Science, Web Development, Databases, Operating Systems, Discrete Structures, Data Mining, 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 pension financial data gathered from 30+ files across 3 remote servers, increasing automation by **90**%.
- Trained an **Azure OpenAI** chatbot to engineer automated scripts compatible with job schedulers with a focus on cybersecurity, achieving time and cost savings of over **40**%.
- Designed a **CI/CD** pipeline by configuring Git runners and **GitHub Actions** on test Linux servers, enabling SSH into a Windows server for automated test execution.

Software Developer Intern   May 2023 – August 2023
Ontario Ministry of Treasury Board Secreteriat   *Toronto, ON*
- Developed 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
- Engineered database queries for **MongoDB** and **Oracle**, enhancing storage and query performance by **30**%.
- 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   Feb 2019 - June 2019
Builder Lynx   *Toronto, ON*
- Managed a SaaS-based cloud system for real-time client data analysis, achieving data accuracy rate of **99**%.
- 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 supprting **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