

# Vishalkumar Vekariya

## Software Developer

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### Professional Experience

May 2022 – present	<b>Software Developer, HCL Canada</b> <ul style="list-style-type: none"><li>Configuring and customizing Dynamics 365 to meet the specific needs of the organization.</li><li>Developing and maintaining workflows, business rules, and data models within Dynamics 365.</li><li>Integrating Dynamics 365 with other systems, such as ERP, CRM, and marketing automation software.</li><li>Developing and customizing reports, dashboards, and analytics models to provide insights into business performance.</li><li>Managing projects to implement or upgrade Dynamics 365, ensuring that projects are delivered on time, within budget, and meet the needs of stakeholders.</li><li>Providing technical support and troubleshooting for Dynamics 365, ensuring that the software is running smoothly and that issues are resolved quickly.</li></ul>	Sudbury, Canada
Feb 2021 – May 2022	<b>Programmer, ClaimSecure</b> <ul style="list-style-type: none"><li>Assist other developers, analysts, and designers in conceptualizing and developing new software.</li><li>Recommend, schedule and perform software improvements and upgrades.</li><li>Work on database technologies such as SQL, Oracle, and MySQL</li><li>Write programming scripts to enhance functionality and/or appearance of company Website and/or related Web applications as necessary.</li></ul>	Sudbury, Canada
Jan 2019 – Feb 2021	<b>Graduate Teaching Assistance, Laurentian University</b>	Sudbury, Canada

### Education

Jan 2019 – Feb 2021	<b>Master's in Computational Science, Laurentian University</b>	Sudbury, Canada
May 2014 – Jun 2017	<b>Bachelor's in Computer Science, Pacific School of Engineering</b>	Surat, India
May 2011 – Jun 2014	<b>Diploma in Computer Science, Bhagwan Mahavir College of Eng.</b>	Surat, India

### Languages

English	● ● ● ● ●	Hindi	● ● ● ● ●
Gujarati	● ● ● ● ●		

### Certificates

Microsoft Certified : Power Platform Fundamentals	Python by Google
Fundamentals Desktop by Tableau	Java & Andriod by Udemy

### Volunteer

CGCANO(Canadian Gujarati Cultural Association of Northern Ontario)	Sudbury, Canada
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## Skills

### Technical skills

*Dynamics 365*



### Version Control Systems

*Git and SVN*



### Programmer Language

*JavaScript, Python, Java*



### Database Technologies

*SQL, Oracle, and MySQL*



### Agile development methodologies

*Scurm*



### Tools

*Visual Studio, Vs Code, R Studio, Tableau, Android Studio*



## Projects

### Predicting liver cancer on epigenomics data using machine learning

Master Thesis

Epigenomics is the branch of biology concerned with the phenotype modifications that do not induce any change in the cell DNA sequence. Epigenetic modifications apply changes to the properties of DNA, which ultimately prevents such DNA actions from being executed. These alterations arise in the cancer cells, which is the only cause of cancer. The liver is the metabolic cleansing center of the human body and the only organ, which can regenerate itself, but liver cancer can stop the cleansing of the body. Machine learning techniques are used in this research to predict the gene expression of the liver cells for the liver hepatocellular carcinoma (LIHC), which is the third biggest reason of death by cancer and affects five hundred thousand people per year. The data for LIHC include four different types, namely, methylation, histone, the human genome, and RNA sequences. The data were accessed through open-source technologies in R programming languages for The Cancer Genome Atlas (TCGA). The proposed method considers 1,000 features across the four types of data. Nine different feature selection methods were used and eight different classification methods were compared to select the best model over 5-fold cross-validation and different training-to-test ratios. The best model was obtained for 140 features for ReliefF feature selection and XGBoost classification method with an AUC of 1.0 and an accuracy of 99.67% to predict the liver cancer.

### Best Buy Health, HCL Canada

Best Buy Health is an initiative launched by Best Buy, a renowned retail chain that offers electronics, appliances, and technology products. This project aims to provide innovative and accessible health solutions to consumers, seniors, and care providers. To manage its operations and customer interactions, Best Buy Health utilizes Microsoft Dynamics 365, a robust suite of business applications.

Dynamics 365 enables Best Buy Health to manage its business processes and workflows, including sales, marketing, finance, supply chain management, and customer service. This platform streamlines the project's operations, provides insights into business performance, and offers excellent customer service.

Best Buy Health's main focus is telehealth solutions, aiming to provide affordable and accessible telehealth services to its customers. Dynamics 365 supports this by managing telehealth appointments, scheduling follow-up visits, and tracking patient information. This feature ensures that customers receive the care they need while managing and optimizing the project's resources effectively.

Best Buy Health offers a range of health-related products and services, such as wearable devices, health monitoring equipment, and personal emergency response systems. Dynamics 365 enables the project to manage sales, marketing, and customer service activities for these products and services, ensuring that customers receive support and assistance throughout the entire purchasing process.

In conclusion, Best Buy Health is an excellent example of how Microsoft Dynamics 365 can support innovative and accessible health solutions. The project demonstrates how the platform's capabilities can be leveraged to deliver high-quality products and services to customers, while also improving business operations and workflows.

### Manulife & Canada Life, Claim Secure

Claimsecure has collaborated with Manulife and Canada Life to provide innovative and secure claims management solutions for their customers. The project uses SQL software and data visualization tools to streamline the claims process and provide real-time insights into claim data.

SQL software enables Claimsecure to store and manage large volumes of claim data efficiently. This data is then analyzed using data visualization tools to provide actionable insights into claims processing trends, fraud detection, and other key metrics. By using these tools, Claimsecure can make informed decisions and optimize its operations to better serve its customers.

Manulife and Canada Life are able to leverage Claimsecure's solutions to provide their customers with a seamless claims experience. The project ensures that claims are processed quickly and accurately, while also maintaining data security throughout the process. The use of SQL software and data visualization tools also provides valuable insights into claims data, enabling these insurance providers to make data-driven decisions.