

# Aakash Tyagi

## Software Developer

*A diligent and an astute graduate student looking forward to build an innovative career in an esteemed organization by using my technical skills and other significant talents.*



[aakashofficial11@gmail.com](mailto:aakashofficial11@gmail.com) ✉

+1 250-813-3575 📞

Victoria, Canada 📍

[www.tyagiaakash.com/](http://www.tyagiaakash.com/) 🌐

[github.com/AakashTyagi11](https://github.com/AakashTyagi11) 🐙

## EDUCATION

### Master of Science (Computer Science)

University of Victoria, British Columbia

2018 – Present

### Bachelor of Technology (CSE)

Meerut Institute of Engineering and Technology

2012 – 2016 78.98%

### Higher School Certificate

DAV Centenary Public School

2011 – 2012 87.20%

### Secondary School Certificate

DAV Centenary Public School

2009 – 2010 9.2 CGPA

## WORK EXPERIENCE

### Software Developer

Tata Consultancy Services 08/2016 – 07/2018

- Worked in the development of Healthcare management system, a web application developed for hospitals to manage staff and patient data effectively. Worked with **Java**, **HTML5/CSS3**, **JavaScript**, **jQuery** and **Hibernate framework**.
- Worked in setting up Product and Pricing models in **Apttus CPQ** which is implemented on **Salesforce CRM**.
- Developed **Apex Classes**, **Triggers**, **Batch Classes** and **Scheduled classes** to automate various business processes. Also, developed **Test Classes** to achieve the code coverage.
- Visualized and automated the End-to-End process of configuration of products and related objects in Apttus CPQ by creating an application using languages like **Apex**, **VisualForce**, **AngularJS** and Web services like **SOAP & REST** for one of the most reputed clients of Tata Consultancy Services- General Electric. My work was highly appreciated by the client as well as the Senior Management as the application considerably reduced the time and manual effort involved with modeling a Product.

## CERTIFICATION

- Certification for **IBM Worklight Technology**.
- Certification for **Salesforce Platform Developer-1**.

## TECHNICAL SKILLS

Programming Languages - Java, C, C++, Python, Go, Apex

Web Technology - HTML/CSS, VisualForce, JavaScript

Database Management - MySQL, Oracle, dashDB

Cloud Technologies - Salesforce, IBM Bluemix

Salesforce - SOAP & REST API, Apttus CPQ, force.com

Methodologies - Agile, Advanced Waterfall

Tools - Eclipse, dataloader.io, IBM Worklight, Workbench

## ACADEMIC PROJECTS

### • GPS Enabled Transport Management system

The project was made as the final year project at MIET college. Key features include GPS Tracking, Automatic Route Allotment, Payment Gateway, SMS and Push Notifications. The application was built as an android mobile application as well as a web application and was deployed on **IBM Bluemix cloud** with dashDB as the database.

### • Predicting individual medical charges by past data

Constructed a model in **Python** that could predict the individual medical charges incurred by a health insurance provider based on categorical and numeric attributes in the data by using regression algorithms like **Linear Regression** and **Random Forest Regression**.

### • Packet Re-ordering Problem

Constructed a model to simulate the transmission of data packets over the network, by using **priority queues** in the intermediate routers to alleviate the packet re-ordering problem and calculated the performance metrics like packet loss and packet delay time.

### • Extracting Variability Models from Legacy Java Programs

Currently working on feature oriented **reengineering**, creating an algorithm for feature identification, feature extraction, dependency extraction and variability mining to extract variability from legacy Java programs. Using **Java** and **FeatureIDE framework** for feature-oriented software development (FOSD).