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| Image result for university of victoria letterheadSunil **Kumar** | [*sunilkumarsheoran@gmail.com*](mailto:sunilkumarsheoran@gmail.com)  *+1-6043674432*  [linkedin.com/in/sunilkumarsheoran](http://www.linkedin.com/in/sunilkumarsheoran)  *ECS 412, University of Victoria,*  *Victoria, BC, Canada. V8P 5C2* |

I am a Master of Computer Science student at the University of Victoria. I have 3 years of software development experience with software product companies. I am seeking co-op opportunities where I can fully utilize my skills for the success of the organization and learn new skills for the cutting edge of technologies in the industry.

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| Education M.Sc. in Computer Science Jan 2019 – Expected Dec 2020University of Victoria, BC, Canada. – 7.33 / 9.0 GPA Projects: Training a DQN agent for Coinrun ([github.com/Unimax/coinrun-dqn-pytorch](https://github.com/Unimax/coinrun-dqn-pytorch)) and Matchmaking for online multiplayer games ([git.io/JenE4](https://github.com/Unimax/Matchmaking-for-online-multiplayer-games)). B.Tech. in Information Technology Aug 2010-May 2014NIT Durgapur, West Bangal, India. - 8.10 / 10.0 CGPA Projects: Collage Study Point Website ([git.io/JenEB](https://github.com/Unimax/studentcorner)), Digital Clock on Multisim and Exploration bot. | Technical Skills   * Languages : Java, JavaScript, Python, Golang, PostgreSQL, MySQL, C, C++, PHP, CSS, HTML. * Tools: Docker, Kubernetes, Office, Adobe Photoshop, gRPC, REST APIs, Git, Google Web Toolkit (GWT), JDBC, Hibernate, OOPs, Data Structures, Deep Learning, Electron, Angular, Eclipse Modeling Framework (EMF), Jasper Report. * Operating Systems: Linux, Windows |

# Experience

## Technical Associate / Zillious Solutions, New Delhi, India. July 2018 – Dec 2018

### Developed an alternative for Java enum reaching to its limit issue causing minimum changes in the application.

### Incorporated support for customizable voucher and integrated multiple payment gateways including *PayTM, Razerpay* etc.

### Integrated pre-developed machine learning model into the application for finding duplicate hotels.

## Software Developer / Drishti-Soft Solutions, Gurugram, India. June 2014 – Sep 2016

### Awarded with Excellence Award 2016 and won */tmp* 2014 (i.e. 10 days 24x7 coding event).

### Majorly worked on Ameyo Report, a GWT based front-end and Jasper based backend; This includes a UI renew, automating the generation of *Transformers*, a data de-normalization component, by using EMF modeling and backend enhancements.

### Created a report scheduler based on Quartz library with support for centralized reporting and graphical reports.

### Increased performance for a large customer’s reporting database by 90% using table partition and multicolumn indexes.

### Increased performance of a statics managing component by 60% using soft references based cache for reflective calls.

### Developed a context-aware report designer with the Front-end based on GWT with data populating based on EMF model instances and outputs a proprietary file format (.drxml) which converted by the backend into a jasper-reports based object. It was used to give demos to international customer as a future project.

### Created Magic Numbers: Predicts hardware requirements (CPU, RAM, and HDD) based on customer requirements.

### Automate HDFC collection process. Fresh UI, Integrating HCP for storage, SSO Authenticating server & Centralized Exclusion.

### Part of the Hiring team for the 2016 and 2017 batches. (Question preparation, Interview Rounds and training after hiring).

## Software Developer Intern / Morphing Machines, Bangalore, India. June 2013 – Aug 2013

* Designed and developed the front-end interface for a research project called ‘Development of A Flexible Framework for A Network On Chip’. We wrote a research paper about it ([GitHub](https://github.com/Unimax/studentcorner/blob/master/VLSI2014Paper.pdf)).
* UI starts with a 4 page Wizard then shows [EMF](http://www.eclipse.org/modeling/emf/) based resulted graph using [Graphiti](https://eclipse.org/graphiti/) and finally produce a XML for the python written scripts which run and produce [VHDL](https://en.wikipedia.org/wiki/VHDL) based back-end [NOC](https://en.wikipedia.org/wiki/Network_on_a_chip).

**Hobbies**

* **Video Games** (2nd in COBX and Aorus Land 2017 National DOTA 2 tournament, Won Playtonia & Indian LAN Gaming Cup)
* **Karate** (Green belt Shūkōkai Karate)
* **Solving Programming Problems** (1st place in behind the Scene and InCanity in MuKTi ’13 and 2nd place in Simplex in ANK ’12)
* **Playing Chess** (3rd, 1st and 2nd position in Regional Sports meet in 2007,2006 and 2005. Hence went to Nationals 3 times)

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| **References**   * **Sahil Gandhi (**[sahilgandhi2011@gmail.com](mailto:sahilgandhi2011@gmail.com)**) –** Product Evangelist, *Ameyo* (previously known as *Drishti-Soft Solutions*). * **Dr. Hausi Müller** ([hausi@uvic.ca](mailto:hausi@uvic.ca)) **–** Professor, University of Victoria. |