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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* |

**Introduction**

I am a Master of Computer Science Student at University of Victoria. I have 3 years of software developer experience with software product companies including Drishti-Soft Solutions aka Ameyo and Zillious Solutions in India. 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 Jan 2021 ]University of Victoria – 7.33 / 9.0 GPA Projects: Training an DQN agent for Coinrun ([GitHub](https://github.com/Unimax/coinrun-dqn-pytorch)) and Matchmaking for online multiplayer games ([GitHub](https://github.com/Unimax/CSC562-FinalProject-Matchmaking-for-games-using-open-match)). B. Tech. in Information Technology [August 2010 - May 2014 ]NIT Durgapur - 8.10 / 10.0 CGPA Projects: Collage Study Point Website ([GitHub](https://github.com/Unimax/studentcorner)), Digital Clock on Multisim and Exploration bot. 12th & 10th CBSE [March 2007 & March 2010]K V Bengdubi - 85.8 % & 79.8 %Projects: Book Shop Management, Tic Tac Toe bot | Technical Skills   * Languages : Java, JavaScript, Python, Golang, PostgreSQL, MySQL, C, C++, CSS, HTML, PHP, Shell, LATEX, . * Tools : Docker, Kubernetes, Google Cloud Platform, Word, Excel, PowerPoint, Adobe Photoshop, gRPC, Swagger, REST APIs, Git, GWT, JDBC, Hibernate, Eclipse, PyCharm, OOPs, Data Structures, Deep Learning. * Operating Systems : Linux, Windows |

# Experience

### JULY 2018 – December 2018

## Technician Associate / Zillious Solutions, New Delhi, India.

### Implemented a solution for their long-standing issue (java enum limit) requiring minimum changes in the application.

### Design and developed support for customizable voucher and integrated multiple payment gateways.

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

### November 2016 – January 2018

## eSports Player / Ragequit eSports Solutions, New Delhi, India.

### From Dec 2016 to June 2017 was part of DOTA 2 ESports team Sponsored by Ragequit eSports Solutions, New Delhi.

### Runner up in COBX National DOTA 2 tournament (Buriza Team, Hyderabad, May 2017).

### Won Playtonia DOTA 2 tournament (Nefarious Team, Delhi, Aug 2017).

### Won Indian LAN Gaming Cup DOTA 2 tournament (Nefarious Team, Delhi, Oct 2017).

### Runner up in Aorus Land DOTA 2 National tournament (Nefarious Team, Bangalore, Jan 2018).

### JUNE 2014 – SEPTEMBER 2016

## Software Developer / Drishti-Soft Solutions, Gurugram, India.

### Majorly worked on Ameyo Report (GWT based front-end and Jasper based backend) this includes UI Renew, transformer (de-normalize data for reporting) modeling to ease generation of new transformers and backend enhancements. Shell Scripts for migration and debugging.

### Created a Report Scheduler (Quartz library) with support for Centralized Reporting (Ameyo ART) and Graphical Reports.

### I increased performance for a large scale customer’s database (PostgreSQL) by 80-90% using table partition , Multicolumn

### Indexes, PostgreSQL Function and triggers.

### I increased the company’s server-side stats manager’s performance using cache (SoftHashMap) for reflective calls by 60%.

### I developed a Report Designer: Front-end GWT UI which has generated data based on Model instances (.xmi) and output

### from the UI is a Model (EMF) object (.drxml) which converted by backend into jasper based object (.jrxml).

### Resolved numerous L4 Critical Cases which were spread across multiple plugins of Ameyo Server and Client Application.

### I created Magic Numbers: Predict Hardware requirements (CPU, RAM and HDD) based on Customer requirements for

### reporting server.

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

### Explorations: GWT bootstrap, Database Partition, HCP Integration, Bonita BPM.

### Awarded with Excellence Award 2016 and won /tmp 2014, also participated /tmp 2015 and HUNKAAR 2016. (10 days 24x7

### coding event).

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

### June 2013 – AUGuST 2013

## Software Developer Intern / Morphing Machines, Bangalore

* I designed and developed the front-end interface for a project called ‘Development Of A Flexible Framework for A Network On Chip’. ([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).

# Activities

**After College:**

* TOEFL exam scored 95/120 (Jan 2018).
* Completed Spoken English Upper Intermediate course with Very Good result from British Council, New Delhi.

**During College:**

* Attended Workshops:

Ethical hacking & Information security by Kyrion Digital Securities 2010. (In 1st year).

Photoshop workshop in 2011.

Android workshop in 2012.

* + - * + Participated in contests:
* 1st position in behind the Scene in MuKTi ‘13. (coding event).
* 1st position in InCanity in MuKTi ‘13. (coding event).
* 2nd Position in Simplex in ANK ’12. (coding event).
* Participated in National Robotic Contest 2013 Pune-India.

**During School:**

* + 82% Marks secured in Junior NTSC Mathematics. (Jan 2005)
  + MERIT in First Nationwide Biotechnology Olympiad with All India/state/school Ranks: 696/11/2 (Aug 2006)
  + Distinction in International Assessments for Indian Schools Science with Top 4%.
  + Distinction in International Assessments for Indian Schools Math with Top 5%.
  + Participated in NSE in Astronomy 2008-2009 (Senior Level) Among top 10%.
    - * Ranked among the 2.4% of all student appeared in AIEEE-2010.

**Extracurricular activities:**

* + - * Selected for 35th ,36th ,37th K.V. National Sports meet in chess after getting 3rd, 1st and 2nd position in Regional Sports meet in 2007,2006 and 2005 respectively
      * Participated 3 times in 8-10 Days High Altitude Trekking Programme (Manali, Shimla) and coved 110 K.M. and gained 12000 feet height.

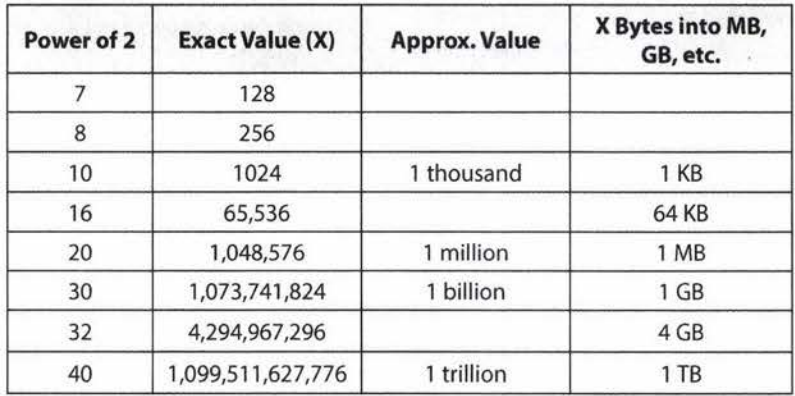
# Hobbies

Playing Video Games including competitive e-sports, Karate, Solving Programming Problems, Watching Movies & TV Shows, listening to music, Playing Chess & Football.

Practice:-

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| **Common Questions** | **Project 1** | **Report Designer** | **Project 3** |
| Challenges |  | Complex model, object to ui |  |
| Mistakes/Failures |  |  |  |
| Enjoyed |  |  |  |
| Leadership |  |  |  |
| Conflicts |  |  |  |
| What You'd Do Differently |  |  |  |

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| **Data Structures** | **Algorithms** | **Concepts** |
| Linked Lists | Breadth-First Search | Bit Manipulation |
| Trees, Tries & Graphs | Depth-First Search | Memory (Stack vs. Heap) |
| Stacks & Queues | Binary Search | Recursion |
| Heaps | Merge Sort | Dynamic Programming |
| Vectors I ArrayLists , Hash Tables | QuickSort | Big 0 Time & Space |



bottlenecks

unnecessary work

Duplicated work