University of Victoria

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Sunil Kumar

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 including Drishti-Soft Solutions aka Ameyo and Zillious Solutions. 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.

Education

M.Sc. in Computer Science
Jan 2019 – Expected Jan 2021

University of Victoria – 7.33 / 9.0 GPA

Projects: Training a DQN agent for Coinrun (GitHub) and Matchmaking for online multiplayer games (GitHub).

B.Tech. in Information Technology
Aug 2010-May 2014

NIT Durgapur - 8.10 / 10.0 CGPA

Projects: Collage Study Point Website (GitHub), 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++, PHP, CSS, HTML, Shell.
- **Tools**: Docker, Kubernetes, Google Cloud Platform, Office, Adobe Photoshop, gRPC, Swagger, REST APIs, Git, GWT, JDBC, Hibernate, Eclipse, PyCharm, OOPs, Data Structures, Deep Learning, Electron, Angular, Slack, Eclipse Modeling Framework, Jasper Report, uxpin.
- **Operating Systems**: Linux, Windows

Experience

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

- Implemented a solution for a 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.

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

- 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 the generation of new transformers and backend enhancements.
- Created a Report Scheduler (Quartz library) with support for Centralized Reporting (Ameyo ART) and Graphical Reports.
- Increased performance for a large customer's database (PostgreSQL) by 80-90% using table partition and Multicolumn Indexes.
- Increased the Stats Manager's performance by 60% using cache (SoftHashMap) for reflective calls.
- Developed a context-aware Report Designer: Front-end GWT UI filled with generated data based on Model instances (.xmi) and output from the UI is a Model (EMF) object (.drxml) which converted by backend into a jasper-based object (.jrxml).
- 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.
- Awarded with Excellence Award 2016 and won /tmp 2014 (10 days 24x7 coding event).
- 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).

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)

References

- **Sahil Gandhi** (sahilgandhi2011@gmail.com) – Product Evangelist, Drishti-Soft Solutions aka Ameyo.
- **Dr. Hausi Müller** (hausi@uvic.ca) – Professor, University of Victoria.