Sunil Kumar

University of Victoria

sunilkumarsheoran@gmail.com
+1-6043674432
linkedin.com/in/sunilkumarsheoran
ECS 412, University of Victoria,
Victoria, BC, Canada. V8P 5C2

I am a second-year post-graduate student at the University of Victoria with 3 years of full stack software development work experience with software product companies. I am seeking work opportunities where I can fully utilize my skills for the success of an organization and on the way learn new skills on cutting edge technologies used in the industry.

Education

M.Sc. in Computer Science
Jan 2019 – Expected Dec 2020
University of Victoria, BC, Canada. – 7.33 / 9.0 GPA
Projects: DQN agent for Coinrun (git.io/JvB5r) , Matchmaking for online multiplayer games (git.io/JenE4) and DOTA2 win prediction (git.io/JvB5P).

B.Tech. in Information Technology
Aug 2010-May 2014
NIT Durgapur, West Bengal, India. - 8.10 / 10.0 CGPA
Projects: Collage Study Point Website (git.io/JenEB), Digital Clock on Multisim and Exploration bot.

Technical Skills

- **Languages**: Java, Python, SQL, JavaScript, C/C++, CSS, HTML5, Golang.
- **Tools & Frameworks**: Docker, Kubernetes, PyTorch, gRPC, Git, REST, JSON, Google Web Toolkit (GWT), JDBC, Hibernate, Electron, AngularJS, Eclipse Modeling Framework (EMF), JasperReports, Excel, AWS.
- **Concepts**: OOPs, Data Structures, Machine Learning, Agile practices, Deep Learning.
- **Operating Systems**: Linux, Windows.

Experience

Technical Associate / Zillious Solutions, New Delhi, India.
July 2018 – Dec 2018
- Developed a solution for a long-standing issue with java enum reaching its size limit, with minimum changes in the application.
- Added support for customizable vouchers and integrated multiple payment gateways including *Razorpay, Paytm,* etc.
- Integrated a pre-developed machine learning model into the application for finding duplicate hotels. Decreased the time for marking duplicate hotels by 90% in live search results for hotels.

Software Developer / Drishti-Soft Solutions, Gurugram, India.
June 2014 – Sep 2016
- Awarded with Excellence Award 2016 and won */tmp* 2014 a 10 days 24x7 coding event.
- Majorly worked on Ameyo Report, a GWT based front-end, and Jasper based backend; This includes a UI renew, backend enhancements and automating the generation of *Transformers*, a data de-normalization component, by using EMF modeling.
- Created a report scheduler based on the 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 JasperReports based object. It was used to give demos to international customers as a future project.
- Created *Magic Numbers*: Predicts hardware requirements (CPU, RAM, and HDD) based on customer functional requirements.
- Delivered components for the automation of the collection process for an Indian Bank. Implemented a fresh UI, Integrating Hitachi Content Platform (HCP) for report storage, created a custom SSO authentication server & various domain-specific features like *Centralized Exclusion*.
- Interviewed candidates, prepared questions and did the training for new employees for the 2016 and 2017 hiring seasons.

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 (git.io/Jen9l).

Personal Interests

- **Video Games**: Won 2nd place in COBX and Aorus Land 2017 National DOTA 2 tournaments, 1st place in Playtonia Delhi and Indian LAN Gaming Cup Delhi DOTA 2 tournaments.
- **Karate**: Green belt in Shito Ryu Shūkōkai Karate.
- **Solving Programming Problems:** Won 1st place in *Behind the Scene* 2013, 1st place in *InCanity* 2013 and 2nd place in Simplex 2012.
- **Playing Chess:** 3rd, 1st and 2nd place in *Regional Sports Meet* in 2007, 2006 and 2005. Won a place in K.V. National Sports Meets.

References

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