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| **Binit Kumar**  Phone: +1(514)-209-5992  Email: kumar.binit1992@gmail.com  Montreal, Canada H2K 4G3  linkedin.com/in/binit92  github.com/binit92  Concordia Student ID: 40172005 |  |
| 04-08-2021  Jasia Stuart  Library  Concordia University  Email: jasia.stuart@concordia.ca |  |
| Dear Jasia Stuart  I am writing to apply for the position of **Technology Sandbox Assistand - Electronics/Programming Focus, Project Number: I-33208-22**as advertised on the Concordia website. I am currently a graduate student at Concordia pursuing master’s in applied computer science.  Prior to enrolling in Concordia University, I was working as a Senior Software Engineer at Harman Connected Service, subsidiary of Samsung Electronics in Pune, India. I have total work experience of six years where I have worked with different stakeholder including peers, clients, managers, and interns. This experience has taught me communication skills in professional settings where I can multitask and outreach stakeholders of varied interest.  While working as a software engineer at Harman, I have worked on different IOT and Mobile modules. Those include creating a low-cost proxy server using Raspberry Pi, Implementation of LWM2M, Zigbee and MQTT protocols to connect different IOT devices to endpoint management platform named Marimba. I have also taken one Udacity’s course named Flying Car where I got to learn about the motion physics of drones and how an event-based program helps us to control the motion.  I am also a paid active mentor at Udacity where I guide and answer students online in an advanced Deep Learning course as well as review their project submission. In addition, I do have an experience of teaching technical course as a guest lecture in MIT WPU University, Pune India. I always enjoy working and helping students.  I have enclosed my curriculum vitae below and would like to get a chance to work in Library for above-mentioned position. If you require any additional information, please feel free to contact me. Thanks for your time and consideration.  Yours Sincerely,  Binit Kumar   |  |  |  | | --- | --- | --- | |  | |  | | **Binit Kumar** | | kumar.binit1992@gmail.com | | +1(514)-209-5992 (phone) | | github.com/binit92 | | Montreal, Canada H2K 4G3 | | linkedin.com/in/binit92 | | **Skills** |  | | | | **Development:** Android, Java, Unix | **Data Science:** Deep Learning, Elastic Search, Python | | | | **Professional Experience** |  | | | |  |

* **Harman Connected Services** *Senior Software Engineer, April 2014 – August 2020*
  + Developed Android modules for device management and FOTA update using Marimba technologies.
  + Developed logcollector, analysis and prediction modules using Elastic Search and Logstash
  + Developed low cost proxy server on Raspberry Pi that integrates with Marimba components
  + Ported Marimba components to Linux ARM embedded platform
  + Ported RSA-SSL modules to pure Java SSL implementation to support TLS 1.2 in Marimba **–** owned resolution tasks of escalations/defects/RFEs from support team
  + Provided technical training, POCs, and conducted interviews for Dev, QA and support roles
* **Udacity** *Independent Consultant, October 2017 - Present*
  + I mentor and review projects of students enrolled in Deep Learning Courses at Udacity

# Projects

* **MOOC Projects** *Student, August 2016 - June 2018*
  + Udacity Flying Car Nanodegree - completed backyard-flyer, motion-planning, flight-controller and estimation projects
  + Udacity Deep Learning Nanodegree - completed bike-ride-prediction, sentiment-analysis using IMDB data, dog-image-classification using CNN, tv-script-generation using RNN and face-generation using GAN projects
  + Udacity Android Nanodegree - completed the-moviedb-app, baking-app and waxtree-app projects.
* **OpenWARP** *Opensource Contributor, August 2016 - October 2016*
  + In series of paid challenges from Topcoder, I have created installer for Windows, Linux and Mac.
  + created test scripts to test geometries by porting third party libraries, bug-fixing and documentation.

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| • **Stanford Scholar Initiative** | *DRI, December 2016 - January 2017* |
| • **Beacon - final year project** | *Student, August 2012 - April 2013* |

# Education

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| **Concordia University**  *MACS, Computer Science* | Montreal, Canada  *January 2021 – Current* |

**Courses:** Advanced Algorithms, Advanced Programming Practices, Distributed System Design

**Publications**

• **Academic research paper:** Genetic Approach to Travelling Salesman Problem.

# Awards

• Gold Medal (2013, awarded to top candidates of the graduating batch)