Binit Kumar   kumar.binit1992@gmail.com
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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.
- **Stanford Scholar Initiative**   *DRI, December 2016 - January 2017*
- **Beacon - final year project**   *Student, August 2012 - April 2013*

Education

Concordia University   Montreal, Canada
MACS, Computer Science   *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)