kumar.binit1992@gmail.com github.com/binit92 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.
- 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)