# ISHAN GULIANI

Personal: **ishanguliani.com**     LinkedIn: **in/ishanguliani**     Phone: +1 (585) 666-0008

Github:  **github.com/ishanguliani**     Email: ig5859@rit.edu

## SUMMARY

Completing MS in Computer Science in 2020. Presently coop @HubSpot, formerly 1.5 years **tech startup** experience and spent 1 year with the **Google ecosystem**. Looking for Summer '20 **internships** as backend **software engineer.**

## EXPERIENCE AND CONTRIBUTIONS

| | |
|---|---|
| **Software Engineer Co-op Backend**<br>HubSpot Inc<br>June 2019 - Present | • Part of analytics pipeline team that tracks, segments and reports high velocity event streams<br>• **Success so far**: 40% hbase read optimization by batching requests streamed using pubsub over kafka<br>• **Tools**: java streams, hbase, kafka, zookeeper, spark, hadoop |
| **Graduate Research Assistant**<br>Center for Cybersecurity, RIT<br>Sept 2018 - May 2019<br>9 months | • Built **chrome extension** in **content script** with **django backend** to inject fake posts in **Facebook**<br>• Deployed the **wsgi app** on **ubuntu box** over **ec2** running **apache** and **nginx** reverse proxy<br>• **Tools**: chrome-devtools, bash, wsgi, django, python, javascript |
| **Software Engineer**<br>Applop Mobile Solutions<br>Aug 2016 - Dec 2017<br>1.5 years | • Lead a team of 5 junior members to scale core product to **100,000+ users**<br>• Set up **cd pipeline** to roll out **80+ builds** and achieved **70% apk compression** using **proguard**.<br>• Wrote modules for **deferred deep linking** and **in app notifications** on Android<br>• Did **public** and **close door pitching** to **VCs** in USA and Singapore to raise **$200K+**<br>• **Tools**: bash, adb, pycharm, app engine, compute engine, firebase, lambda, beanstalk, s3 |
| **Google Student Ambassador**<br>Google LLC<br>Aug 2014 - Sept 2015<br>1.1 years | • 1 out of **177** engineering students from India for the **GSA program** 2014<br>• **Directly mentored** and taught over **2000** engineering **students** over 24 months<br>• **Trained** university **students** in **cloud** computing, **Android** app development and digital marketing<br>• Lead **15 member** core **team** and 140 volunteer team - Held 12+ zero budget events across universities |

## EDUCATION

| | | |
|---|---|---|
| Graduate | (Graduating in Dec 2020) | MS in Computer Science, Rochester Institute of Technology, NY **GPA: 3.61** |
| Undergraduate | (Graduated in July 2016) | Bachelor of Technology in Computer Science, GGSIP University, India, **GPA : 3.64** |

## SKILLS

| | |
|---|---|
| Languages and tools | stream processing, java, python, kafka, zk, gradle, maven, proguard |
| Key courses | specialising in computer networks, parallel computing and distributed systems cluster |
| Key skills | excellent written and spoken communication, can use glasses and white boards effectively |

## PERSONAL PROJECTS AND SUCCESS MEASURES

- Routing Information Protocol v2 implementation | Java, Socket programming, Multithreading          *Feb 2019– Mar 2019*
  - Designed **from scratch** a system with 10 **self stabilizing routers** exchanging **RIP packets** on UDP over **multicast ip.**
  - Implemented **distance vector routing algorithm** and **split horizon** with poisoned reverse to stabilize on sudden topology change
- Network packet analyser | Java, Wireshark          *Dec 2018– Jan 2019*
  - Wrote a **packet sniffer** to extract and process information from **tcp, udp and icmp** network packets.
  - Program accepts **wireshark hex** dumps and runs manipulations on **byte streams**.

## AWARDS AND RECOGNITIONS

- **National Best Startup Award|** Issued by: *4th India International MSME and Startup Expo 2017*          *Aug 2017*
- **Best App Award** | *National Hackathon* | Issued by : IIIT-Delhi          *Mar 2015*
- **Debate Champion for 2 years** | Inter University Debate Competition | Awarded by : GGSIP University          *Mar 2013,14*
- **The Ambassador of Brotherhood Award** | Most contributory student of the year | Don Bosco School          *March 2012*