

# Mayank Jha

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## EDUCATION

**UNIVERSITY OF MASSACHUSETTS, AMHERST**  
MS IN COMPUTER SCIENCE  
FOCUS ON DISTRIBUTED SYSTEMS AND AI  
August 2019 - Current | Amherst, MA, USA

**NATIONAL INSTITUTE OF TECHNOLOGY**  
B.TECH IN COMPUTER SCIENCE AND ENGINEERING  
July 2011 - July 2015 | Durgapur, India  
First Class, Distinction  
Cum. GPA: 8.48 / 10.00

## LINKS

Github:// [mjnovice](#)  
LinkedIn:// [mayank-jha-a895a533](#)

## COURSEWORK

**UNDERGRADUATE**  
Data Structures and Algorithms  
Computer Architecture  
DBMS + Practicals  
Distributed Systems  
Software Engineering + Practicals  
Operating Systems

## SKILLS

### PROGRAMMING

Fairly skilled:  
Golang • Shell • Python • Javascript  
HTML • MySQL  
Django • AngularJS

Familiar:  
Java • PHP • Android • PostgreSQL

### TECHNOLOGIES

Fairly skilled:  
Linux • Redis • HAProxy • Nginx  
Locust • Git • Zookeeper

## EXPERIENCE

**CAROUSELL** SENIOR SOFTWARE ENGINEER, BACKEND ENGINEERING  
August 2017 - Present | Singapore

- Helped develop the Ads platform for serving ads on the application. Contributed to the making the product robust and resilient. Facilitated the growth of the backend engineering team from 2 to 6. Mentored the incoming engineers on efficient and sustainable coding practices. Developed it from scratch in **Go**.

**FLIPKART** SOFTWARE ENGINEER (SDE 2), CLOUD PLATFORM  
July 2015 - August 2017 | Bengaluru, India

- Designed and implemented a virtual testing framework for our load balancer service, by making a mock of the entire data center. Used **MiniNExt** library for emulating the network switches, protocols etc. The framework was built in **Python**.
- Designed and implemented the Health Check Service component of the Elastic Load Balancer, used to report the health state of hosts in the data center. Implemented it in **Go**.

**GOOGLE** SUMMER OF CODE INTERN  
May 2014 - August 2014 | Remote

- Worked with the Fedora Project, to build a cached Bug tracking system, called Bugspad. Used **Redis** as the cache, and **Go** as the framework.

**GETMEASHOP** PYTHON/DJANGO HACKER  
May 2014 - August 2014 | Remote

- Made a B2B portal for sellers to list their products simultaneously on multiple e-commerce platforms(Amazon, Flipkart, Snapdeal etc.) using **Haystack**, **Solr**, **Django**.
- Implemented a price crawler for various products on Amazon, Flipkart and Snapdeal using **Scrapy** library in **Python**.
- Made an online test taking application for various subjects like Maths/Physics/Chemistry etc. using **Django**.

**GOOGLE** SUMMER OF CODE INTERN  
May 2013 - September 2013 | Remote

- Worked with Ankur India, to make a tool for the judging the aesthetic quality of fonts for Indic scripts like Devanagari, Bengali, Gujarati, Telugu etc. It compared with a set of standards and give scores on various parameters. Achieved this using the **Python** API bindings of **FontForge**.