

Mayank Jha

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EDUCATION

UNIVERSITY OF MASSACHUSETTS, AMHERST

MS IN COMPUTER SCIENCE

FOCUS ON DISTRIBUTED SYSTEMS AND AI

August 2019 - Current (Expected 2021) | 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

GRADUATE

Neural Networks

Systems

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 - August 2019 | 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

- Working to build a hybrid music recommender for humans, which tackles the cold start problem and aims at beating collaborative filtering solely based on the content. Harnessed rich segmented music data using the **MSAF** library on the Million Song Dataset compared to timbre, loudness and pitch segmented data, improving over a normal deep content based music recommender.