Mayank Jha

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EDUCATION

UNIVERSITY OF MASSACHUSSETS, 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**

UNIVERSITY OF MASSACHUSSETTS, AMHERST   Neural Networks, Prof. Erik Miller
September 2019 - Present
- 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.