

Experience

Bluestone.com Bangalore, India

Bluestone is an online jewelry startup in India

Software Engineer Jan 2019-July 2019

- Co-Lead a development of a project which provided real-time counts of the jewelry at nearby store and changed the related logic for order processing. This project helped increase the sale of cities with Bluestone's offline presence. Worked On backend technologies like Java, Spring, Hibernate. Created REST API's which is used by Bluestone's IOS and Android Client.
- Developed an algorithm to track user's credit expiry in accordance to government guidelines.
- Worked on improving the CRM software to help reduce queries' resolution time. (JSP , Javascript)

Amazon.com Bangalore, India

Worked as a part of Advertising Spam Detection Team

SDE Intern + Software Development Engineer Jan 2017-April 2018

- Worked towards upgrading old map-reduced based scripts to spark based jobs.
- Implemented a metrics aggregation job with dashboard and notification services to collect data from various sources and give aggregated business matrices.
- Improved real-time algorithms for spam detection which reduced CPU utilization and tail latencies.
- Ran data analysis and measured infrastructure requirements to launch newly created real time spam detection service in another marketplace.

Education

Syracuse University, Syracuse NY Aug 2019-May 2021

- Master's in computer science - **4.0 GPA**
- **Relevant Course Work:** - Functional Programming, Advance Computer Architecture, Operating System, Data Structure and Algorithms, Natural Language Processing, Cryptography ,Storage System for Big Data , Blockchain , Artificial Neural Networks

DA-IICT Gandhinagar, Gujarat – India July 2013- May 2017

- Bachelor's Degree in Information and Communication Technology
- **Relevant Course Work:** - Object Oriented Programming, Software Engineering, Software Testing, Database Design, System Software, GPU Programming

Projects

Question Answer Website

- Created Question Answer website using Django framework where user can follow topics and other users, add questions/answers and vote the same.
- Implemented timeline algorithm using Google cloud's pubsub emulator.
- Added search functionality using haystack with Elasticsearch as a backend.

YouTube Similar Video Recommendation

- Used YouTube's API to get meta-data and description of video. Clustered videos based on Jaccard similarity of videos description and meta-data.
- Used min-hash, a collaborative filtering algorithm to cluster videos and recommend similar videos based on the user's history.

Technical Skills

- Java, C, Python, Haskell, Shell Scripting, HTML, Java Script, JSP, Git, REST APIs
- Apache Spark, Apache Pig, Hadoop, Docker, Kubernetes, Elasticsearch, Redis, AWS Cloud, Django, Spring Boot, Hibernate, Angular JS, jQuery,SQL

Other

- ACM ICPC Kolkata Regionals