

RUSHIL KAPOOR

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EXPERIENCE

JABONG | Software Engineer | Catalog, Image

July 2015 - Present | Gurgaon, India

- Integrated Jabong's catalog with Global Fashion Group's Seller Center. Migrated database of products, brands, sellers, categories, attributes, size chart, etc. from a normalized **MySQL** based to a flat **Mongo** based schema; wrote CRUD APIs in **Golang** for front end, order and search services, and mobile apps.
 - Synced new data to old database by writing workers to support legacy systems; published messages to a bus based on **RabbitMQ**, later consumed by Solr consumer for search service. Implemented **Redis** based locking mechanisms to handle race conditions. Segregated write from read service by developing it over Redis based **Pub/Sub**.
 - Worked on Jabong's centralized image service which performed CRUD operations on images of products, segments, banners, etc and created their size variants dynamically. Also, converted them to WebP format which provided over 60% compression; reduced loading time on website and apps, and decreased cost of CDN.
 - Worked on **Zend** based Jabong internal portal to make exporting CSVs process offline by using **PHP Gearman** workers in parallel. Decreased product bulk import time by sending data concurrently in chunks to catalog API.
 - Mentored an intern, conducted interviews, and was involved in on-campus recruiting.
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PROJECTS

MOVIE REVIEW CLASSIFIER

Spring 2014

- Web application in JavaScript that displays trivial details of user entered movies provided by the **Rotten Tomatoes API**.
- Classifies reviews into positive or negative using modified **Bayes Classifier** trained on dataset of 11,000 movie reviews.
- Stored the trained data in browser's local storage which decreased the load time. Achieved maximum accuracy of 93%.

FLOOD RELIEF FINDER

Spring 2014

- JavaScript based web application which finds various establishments near the major flood prone regions of India using the **Google Places API** and plots them on a map provided by the **Google Maps API**.
- Gives driving directions from the user entered location to those establishments backed by **Google Directions API**.

PRIORITY EMAIL INBOX

Fall 2014

- Web application that ranks emails according to user's priority calculated by his actions on previous mails; classifies them into spam or non-spam. Fetched mails from multiple accounts; used probabilistic algorithm on mail's subject and sender.

TWEET FINDER

Fall 2015

- PHP CLI using **Twitter Search API**, secured by OAuth, accepts topic, fetches and displays its most recent tweets.

LANGUAGE PREDICTOR

Summer 2013

- Predicts 10 European languages; used **Naive Bayes Classifier** trained on dataset of 1,000 sentences. Achieved maximum accuracy of 99%.

KNOW YOUR DJ

Summer 2013

- Google Chrome Extension which displays basic information and profile image of music DJs in a concise format.
- Developed in JS; makes Ajax call to **Wikipedia API**; receives data in JSON and filters out the noise off it using RegEx.

FTP SERVER

Autumn 2013

- Implemented Linux based server & client programs by using Socket programming in C. Provided options for chatting, file transfer and execution of basic Linux terminal commands.
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SKILLS

Golang, C++, C, PHP, MySQL, MongoDB, Redis, Memcache, RabbitMQ, Linux, Git, JavaScript, Datadog, Jenkins

EDUCATION

Examination	Institute	Board/ University	Completion Year	Percentage
B.E. (Information Technology)	Netaji Subhas Institute of Technology	Delhi University	2015	74.1
A.I.S.S.C.E./XII	Apeejay School	C.B.S.E.	2011	88.4
A.I.S.S.E./X	Apeejay School	C.B.S.E.	2009	92.6

ACADEMIC ACHIEVEMENTS

- Secured 7096 rank in All India Engineering Entrance Examination 2011, in top 0.7%.
 - Solved over 160 classical problems on Sphere Online Judge, in top 4%(handle: rk29).
 - Awarded Merit Scholarship in school and college for five years.
 - Awarded Distinction in Australian National Chemistry Quiz by Royal Australian Chemical Institute in 2008.
 - Awarded Distinction in Mathematics, Science, and Computer Skills by UNSW, Australia.
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EXTRACURRICULARS

- Senior Coordinator of Computer Society of India, NSIT Chapter. Conducted various IT Quizzes & Tech Talks. Organized and designed website of Techelon, annual CSI NSIT Festival in April 2012.
- Awarded Second Position in Band in Zonal Competition organized by Delhi School Sports and Activities Board.