

## EDUCATION

### New York University

**MS in Computer Science | GPA: 4.0**

Expected: May 2018 | Courant

Courses: Algorithms, Programming Languages, Heuristics Problem Solving, Machine Learning, Operating Systems, Search Engine Architecture

### IIT Roorkee

**B. Tech in Electrical Engg**

July 2012- April 2016

## SKILLS

### Languages

JavaScript (4 years), HTML/CSS, Python, C++, Clojure, SQL, Go, Shell

### Technologies

Git, AngularJS, ReactJS, Node.js, Express, Laravel, ClojureScript, Apache, Linux, Chrome Developer Tools

## ACTIVITIES

### Github OSS @apsdehal

- Open sourced many popular libs on Github having > 100 stars
- Link: A minimal router for PHP based APIs and websites
- Logger: A logging application with log levels for Golang
- QUnit-Migrate: Migrate codebase from QUnit 1.0 API to 2.0

### TopCoder Hackthon Winner

- San Francisco - 2015, 23 teams
- Application used Instagram and Twitter API to show latest news feeds for a sports stadium

### Backdoor CTF

- Designed 20 Capture the Flag challenges in field of Forensics, Steganography, Web Penetration available at [backdoor.sdslabs.co](http://backdoor.sdslabs.co)

## EXPERIENCE

### Amazon | Software Engineering Intern

Summer 2017 | Seattle, CA

- Built a service for detecting compatibility issues between tightly-coupled services.
- Implemented solution in a generic way so that it can be used anywhere.

### jQuery Foundation | jQuery Mobile Maintainer & Team Member

Winter 2014 - to date | Remote

- Conduct regular hot fixes to jQuery Mobile, reducing Github issues' count by 223.
- Introduce features for new versions and maintain test framework.

### The Climate Corporation | Software Engineering Intern

Summer 2015 | San Francisco, CA

- Developed and pushed a Clojure service to production for spatially searching 1 billion US fields and processing complex spatial queries in seconds rather than hours.
- Built a tracker service in ClojureScript to measure and maintain internal services.

### Google Summer of Code | Software Engineer Intern

Summer - 2014, 2015, 2016 | Remote

- Contributed to Wikimedia Foundation and jQuery Foundation to improve various OSS; 3 out of 200 applicants were chosen by jQuery for GSoC.
- Engineered a test framework for jQuery Mobile that accelerated and facilitated test building and running.
- Modeled and built a browser extension to extract structured information from a webpage and feed it to Wikidata.

## PROJECTS

### Structured Query Engine | NYU

Spring 2017 (Github Link)

- Developed an elasticsearch like query engine which can search complex queries and has realtime update and create API
- Built a movie recommendation app on top of the query engine using React.

### Muzi - Web Music Player | SDS Labs, IITR

Winter 2014 - Spring 2016

- Built a web application using AngularJS for playing songs from 100k songs database with complex features in par with professional web music players.
- Automated the creation of music library and metadata by building CLIs in Python.
- Devised a RESTful API for songs' information using Laravel PHP framework.

## LEADERSHIP

### President | SDS Labs, IITR | Fall 2015 - Spring 2016

- Managed and directed Software Development Section (SDS), a technical campus group, to be a pioneer in information technology.
- Organized workshops, tech talks, small hackathons, and hackathon trips for a group of 50 students; Scheduled Syntax-Error and DesignJam hackthons.
- Presented hands-on lectures for Front-end & Back-end Development, Git and Networking to give students a view of real world tech enterprises' working.