

EDUCATION

New York University MS in Computer Science

Expected: May 2018 | Courant

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

Google Code In 2015 mentor

- Mentored 2 students with Wikimedia Foundation

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

EXPERIENCE

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.

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.

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.

Wingify | Frontend Engineering Intern Winter 2014 | Delhi

- Developed scrolling activity tracker for website analytics software in Angular; Canvas heatmaps showed time spent on website's particular part by users.
- Optimized primary angular based application's performance by utilizing Chrome Developer tools for gathering information about potential loopholes.

PROJECTS

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.

Experiences - Alumni Connect | SDS Labs, IITR Spring 2014 (experiences.sdslabs.co)

- Developed a web application using PHP and JavaScript to connect IITR alumni with current students.
- Utilized readability parser to automate content retrieval from website & posts.

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.