

# Abhishek Rai

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## EDUCATION

### NEW YORK UNIVERSITY

**MASTERS OF SCIENCE**  
2014-2016 | New York  
Computer Science  
GPA: 3.4 / 4.0

### BIRLA INSTITUTE OF TECH.

**BACHELOR OF ENGINEERING**  
2009-2013 | Mesra, India  
Computer Science  
GPA: 7 / 10

## LINKS

Github: [darthfork](#)  
LinkedIn: [Abhishek Rai](#)  
Website: [Abhishek Rai](#)

## COURSEWORK

Information Retrieval and Web Search  
Engines  
Artificial Intelligence  
Compiler Design and Construction  
Formal Languages and Automata Theory  
Computer Networking  
Network Security  
Design and Analysis of Algorithms

## SKILLS

### PROGRAMMING

Over 5000 lines:  
C • Python  
Over 1000 lines:  
C++ • terraform • bash  
Familiar:  
Go • Ruby

### TECHNOLOGIES

RedHat • Redis/BerkeleyDB  
• Flask-python • GNATS

## EXPERIENCE

### LACEWORK INC. | SENIOR SOFTWARE ENGINEER

Oct 2020 - Present | San Jose, CA

- Software Engineer in Platform Engineering Group
- Implemented continous deployment system using Harness
- Technologies: Python, Harness

### PINDROP INC. | SOFTWARE ENGINEER

Jul 2016 - Oct 2020 | Atlanta, GA

- Software Engineer in System Software Infrastructure Group
- Created new High Availability solution for On premise systems
- Implemented Raft leader election and consensus algorithm as part of the HA solution
- Automated deployments of cloud platform with drone ci/cd
- Designed and developed a new telemetry and alerting framework for the on-prem product
- Created a new REST based configuration system for the on-prem product
- Managed terraform codebase for aws-multi-account setup of the cloud platform
- Technologies: C, Python, RHEL, Terraform, AWS, drone

### DEALSAFE INC. | SOFTWARE ENGINEER

Jun 2016 - Jul 2016 | New York, NY

- Created a system for Searching and Indexing Documents scanned by OCR
- Created Backend API to serve Mobile and Front-end web apps
- Technologies: Python-Flask, Elasticsearch, Ruby on Rails, MySQL

### NEW YORK UNIVERSITY | RESEARCH ASSISTANT

Sep 2015 - Dec 2015 | New York, NY

- Designed Undergraduate Student on-boarding application - PreReg
- Integrated Single Sign-on Service to the application via NYU Shibboleth System
- Technologies: PHP, MySQL, Apache, HTML5, CSS3, Javascript

### AUTODESK INC. | SOFTWARE ENGINEERING INTERN

Jun 2015 - Aug 2015 | San Francisco, CA

- Implementation and integration of analytics in 123D.circuits.io based on Ruby on Rails
- Designed a web based in-house Analytics tool to analyze data aggregated from various different analytics platforms from different products of ACG
- Technologies: Ruby on Rails, Sinatra-Ruby, DCJS, Segment Ruby and JavaScript API, Redshift

### BOOKS THAT GROW | SOFTWARE ENGINEERING INTERN

Jan 2015 - May 2015 | New York, NY

- Developed a system for searching books with autocomplete using Elasticsearch
- Integrated various OAuth services (eg. Facebook, G+) for a better Signup and Login experience