

## Prakhar Srivastav

10A5, 362 Riverside Drive, New York, NY 10025 | (917) 362-0320 | [prakhar.srivastav@columbia.edu](mailto:prakhar.srivastav@columbia.edu)  
<http://github.com/prakhar1989> | <http://prakhar.me>

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### EDUCATION

**Columbia University**, New York, NY

*Expected Dec '16*

Master of Science in Computer Science, Machine Learning Track

**Indian Institute of Management**, Calcutta, India

*Aug 2011 - Apr 2013*

PGDM (equivalent to MBA), Ranked in the top 10% of the batch

**Birla Institute of Technology and Science (BITS)**-Pilani, India

*Aug 2007 - Jun 2011*

Bachelors of Engineering (with Honours) - Computer Science, First Division

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### PROFESSIONAL EXPERIENCE

**Xcite.com**, Kuwait - *Business Analyst*

*Jun 2013 - Jul 2015*

- Led the project for migrating infrastructure from managed virtualization to a Amazon Web Services namely EC2, RDS, EBS, ELB, ElastiCache and Beanstalk.
  - Developed the entire checkout functionality of the website as a single-page application to add the guest checkout feature using Angular.js leading to improved conversion rates
  - Sole full-stack developer on the project to build Kuwait's largest credit sales portal for customers from third-party provider to a custom solution in Flask and Backbone.
  - Worked on improving website performance leading to decrease in page load time. Introduced an asset pipeline stage into the build process with Grunt to manage front-end assets.
  - Single-handedly responsible for all devops, release, automated deployments, backups and developer environments across multiple channels. Wrote Ansible scripts and setup Jenkins for Continuous Integration.
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### OPEN SOURCE

**Google Summer of Code**

*May 2015 - Aug 2015*

- Selected to work with the Programming Languages Research Group at UMass Amherst for GSOC.
  - Designed and developed a survey-builder [web based tool](#) for the Surveyman research project using React.js and Flux application architecture.
  - Built with modern front-end tools and best practices such as Immutable.js for immutable stores, Webpack for bundling and Babel for ES6/7 transpilation.
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**Postman**

*May 2013 - Aug 2013*

- One of the three developers of [Postman](#), an API testing tool with more than 500,000 users amongst companies like Google, Khan Academy and Microsoft.
  - Built a node.js based command-line testing tool for making automated testing painless by allowing users to integrate with their Continuous Integration systems. Featured on Daily.js newsletter.
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### TECHNICAL SKILLS

Programming Languages

Python, Javascript, Java, C, Clojure, Scala, Ruby

Storage

MySQL, MariaDB, MongoDB

Backend Frameworks

Django, Flask, Node.js (Express / Sails)

Frontend Frameworks

React, Flux, Backbone, Angular, Lodash, jQuery

Cloud

Amazon Web Services, Heroku, Google App Engine

Big Data

Apache Spark, Apache Hadoop

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### PROJECTS AND ONLINE COURSES

- **Apache Spark - Big data XSeries** - Completed courses on Big Data and Machine Learning with 100% marks.
- **Functional Programming in Scala** - Awarded distinction for completing course with 96.2% marks. Built a code search engine in Scala for Stripe's CTF competition. Ranked 950 amongst 8000 developers worldwide.
- **Developing Android Apps** - Learnt UI development, connecting to the cloud and running services in Android Apps. Built an Android game - Colorphun and released it on the [Google Play Store](#).
- **Computing for Data Analytics** - Used the R programming language for doing data analytics and data visualizations in ggplot2. Course offered by the John Hopkins University.
- **Design and Algorithms of Algorithms** - Created a collection of more than 30 essential data-structures and algorithms from scratch in Python. One of the most popular Algorithms [repository](#) on Github.