

Prakhar Srivastav

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<http://github.com/prakhar1989> | Portfolio - <http://prakhar.me/projects>

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

PROFESSIONAL EXPERIENCE

Xcite.com, Kuwait - *Business Analyst*

Jun 2013 - Jul 2015

- Led the project for migrating infrastructure from managed virtualization (Rackspace) to Amazon Web Services (AWS). Gained hands-on experience with setting up 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 responsible for building one of the largest credit sales finance portal in Kuwait as a responsive web application in Python (Flask) on backend and Backbone.js on frontend.
 - 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.

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.
 - Developed Interceptor, a chrome extension to directly send requests from the browser to the Postman app.
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TECHNICAL SKILLS

Programming Languages

Python, Javascript, Java, C, Clojure, Scala

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

SIDE PROJECTS

- **Algorithms** - Created one of the most popular Algorithms [repository](#) on Github - A collection of more than 30 essential data-structures and algorithms from scratch in Python.
 - **CodeSearch** - Developed a code search engine in Scala for Stripe's CTF event. Ranked in top 1000 amongst 8000 developers worldwide. Incorporated Russ Cox's work on Regex and Trigram Index in the engine.
 - **Colorphun** - Designed and developed an Android game & released it on the [Google Play Store](#). The game features multiple levels, Google sign-in, global leaderboards and achievements using Google Play Services.
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FEATURED ON

- [AnalyticsVidhya](#), a popular data-analytics blog as one of the top data-scientists to follow on Github.
- Publications such as Daily.js, PyCoder's Weekly, & The Hindu (Indian national daily) for technical projects.