Prakhar Srivastav

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Education

2015-2016   **MS CS**, *Columbia University, New York City*, NY, US.
Specialization in Machine Learning

2013-2011   **PGDM**, *Indian Institute of Management, Calcutta*, India.
Ranked in top 10% amongst 420 students

2011–2007   **B.E.(Hons)**, *Birla Institute of Technology and Science, Pilani*, India.
Computer Science Engineering

Experience

Professional

2013–2015   **Xcite.com**, *Ecommerce - IT*, Alghanim Industries, Kuwait.
- 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.

Open Source

In Progress   **Developer**, *Google Summer of Code*, Univ of Massachusetts, Amherst.
- 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.

2013   **Developer**, *getpostman.com*, Postman.
- 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.

Internships

2011   **Developer Intern**, *Travelocity, Sabre Holdings*, Bangalore, India.
- Worked on implementing algorithms for improving search engine marketing effectiveness. **Awarded pre-placement** offer for performance during internship.

Freelancer

2013   **Full Stack Developer**, *Faculty of Management Studies, Delhi*.
- Designed and developed the website for **one of the largest cultural festivals** held by an Indian Business School - Faculty of Management Studies, Delhi

2012 **Rails Developer**, *OhMyGreen, San Fransisco*.
  ○ Single-handedly ported a PHP Symfony app to Ruby on Rails for OhMyGreen (**A silicon valley based startup** by Stanford Alumni) featuring a complete registration and referral system.

Projects & Online Courses

2015 **Apache Spark - Big data XSeries**, *UC Berkeley*, Data Mining, Machine Learning.
  ○ **Awarded distinction** for completing **two** courses under the Big Data Xseries by EdX.
  ○ Introduction to Big Data with Apache Spark
  ○ Scalable Machine Learning with Apache Spark

2014 **Mining Massive DataSets**, *Stanford*, Data Mining, Machine Learning.
  ○ **Awarded distinction** for completing all advanced material in quizzes and final exams.

2013 **Functional Programming in Scala**, *EPFL*, Functional Programming.
  ○ **Awarded distinction** for completing course with 96.2% marks.
  ○ **Project**: Built a code search engine in Scala for Stripe's Capture the Flag competition. Ranked 950 amongst 8000 developers worldwide.

2012 **Machine Learning**, *Stanford*, Machine Learning.
  ○ **Awarded distinction** for completing course with 100% marks
  ○ **Project**: Built a movie recommendation engine using item-to-item Collaborative Filtering for Data Mining course in IIM Calcutta. Achieved highest grade and **topped the course**.

2012 **Computing for Data Analytics**, *John Hopkins University*, Statistics.
  ○ Learnt the R programming language, doing data analysis and creating data visualizations in R.

2012 **Design and Analysis of Algorithms**, *Stanford*, Algorithms.
  ○ **Project**: Collection of 30 essential data-structures and algorithms implemented from scratch in Python and C. One of the **most popular** Algorithms library on Github.

2014 **Developing Android Apps**, *Google*, Java.
  ○ Learnt UI development, connecting to the cloud and running services in Android Apps
  ○ **Project**: Built an Android game - Colorphun and released it on the Google Play Store

2012 **Web Development**, *Steve Huffman*, Python.
  ○ Learnt MVC design pattern, deployment on Google App Engine and scaling the application.
  ○ **Project**: Built an e-commerce platform from scratch for a venture as a part of Entrepreneurship course at IIM Calcutta. **Featured in India's leading daily - The Hindu**.

Skills

Languages	Python, Javascript, Java, Clojure, HTML5/CSS3, Scala, Octave, C
Storage	MySQL, MongoDb
Cloud	Amazon Web Services, Heroku, Google App Engine, DigitalOcean
Backend	Django, Flask, Node (Express / Sails)
Frontend	React, Flux, Backbone, Angular, Underscore/Lodash, jQuery
Mobile	Android, Ionic

Interests

Academic	Functional Programming, Machine Learning, UI development
Blogging	I maintain a frequently updated tech blog at http://prakhar.me/
Featured on	The Economic Times, The Hindu, DailyJS, PyCoder's Weekly