Madhur Kapoor

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Education

- **Master of Science in Computer Science** University of California, San Diego, CA
  Expected: Dec '16

- **Bachelor of Engineering in Computer Science** PES Institute of Technology, Bangalore
  GPA:9.44/10 — Top 6% of CSE '14 batch Sep '10 – May '14

Experience

- **Citrix R&D** Bangalore, India
  Software Test Engineer I — XenDesktop Division July '14 – July '15

  - *Developed automation for the Personal Virtual Disk product line from scratch up to 42% [PowerShell]*
  - *Wrote automation wrappers for the XenDesktop User Profile Management (UPM) test team to reduce testing time of each build by minimizing manual work [PowerShell]*
  - *Designed and implemented UPM Troubleshooter (released as a hotfix), for customers and admins to debug their UPM setup which significantly reduced the round-trip-time for addressing customer issues [C#]*

- **Artoo** Bangalore, India
  Software Engineering Intern June '13 – Aug '13

  - *Engineered an Admin dashboard for the client Ujjivan Financial Services, to track the activity of their field agents in providing loans to Bottom of Pyramid entrepreneurs [Ember.js, Mocha, Chai.js, CouchDB]*
  - *Incorporated a lazy module loader into the application to significantly improve the boot-time [Require.js]*

- **Indian Statistical Institute** Chennai, India
  Research Intern June '12 – Aug '12

  - *Devised a model to predict spurious citations in research work submitted to a conference proceeding. The estimations were made using text processing methods like TF-IDF [Python]*

Projects

Perfecting Passenger Pickups - An Uber Case study: Predicted the top pick-up zones at any given hour, using 6 months of Uber pickup data from NYC. Also analyzed top night-life zones and holiday trends as per Uber.

Rating & Helpfulness Prediction on Amazon data: Analyzed 1 million Amazon reviews to predict the helpfulness of a review (regression) and rating that a user would give to an item (using latent factor models).

Realtime Handwritten Content Collaboration: Implemented a handwriting based collaboration framework that enables multiple remote parties to collaborate using pen and paper in real-time. [Java, OpenCV, Android]

In-organization Search Engine: Built an intra-organization, mini search engine to query over textual data of an organization and return the related documents, using a single node Hadoop cluster [Java, Hadoop Map Reduce]

Skills

- Proficient with C++, Python & basics of C, Java
- PHP, PowerShell and basics of Node.js
- Basics of Hadoop Map-Reduce
- Relational DB & basics of Non-Relational DB
- Windows and Linux (Ubuntu) Internals
- HTML5, CSS, JavaScript & MVC frameworks in JS

Achievements & Extra-Curriculars

Intel India Embedded Challenge Finalist 2014

Intel Youth Entrepreneurship Workshop Runners's Up 2013

Organized Personality development workshops for underpriviledged children through Rotaract, Bangalore