

## Education

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<b>New Delhi, IN</b>	<b>Delhi Technological University</b>	<b>2013 - 2017</b>
<ul style="list-style-type: none"><li>B. Tech in Software Engineering; CPI – 71.50% (6 semesters)</li></ul>		
<b>New Delhi, IN</b>	<b>D.L.D.A.V. Model School, Delhi</b>	<b>2001 - 2013</b>
<ul style="list-style-type: none"><li>CBSE AISSCE (2013) - Aggregate: 94.4%</li><li>CBSE AISSE (2011) - CGPA: 10.0</li></ul>		

## Languages and Technologies

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- **Platforms:** Linux, Microsoft Windows, Android, Mac OS X
- **Languages & Technologies:** C, C++, Java, Python, Scala, JavaScript, PHP, HTML-CSS3, Perl
- **Libraries and Frameworks:** Android SDK, AngularJS, Caffe, Electron SDK, Firefox SDK, Hadoop, JQuery, MySQL, OpenCL, OpenCV, Spark
- **Tools:** Android Studio, Atom, IntelliJ Idea, Visual Studio, Git DVCS

## Technical Experience

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- [\*\*Legal Raasta Technologies Pvt. Ltd.\*\*](#) **Intern** (Jun 2016 - Jul 2016)
  - Actively led design and development of (finance-related) e-TDS filing portal ([TaxRaahi](#)).
  - Designed and developed website frontend, database, wrote server-side scripts for interfacing with government portals and software utilities, handled server installation and maintenance.
  - Fast-tracked development, reached beta-testing phase ahead of schedule.
- [\*\*Xebia IT Architects India Pvt. Ltd.\*\*](#) **Trainee** (Dec 2015 - Jan 2016)
  - Underwent technical training at Xebia India, completed project on Natural Language Processing.
  - Implemented [sentiment analysis tool](#) to detect level of sarcasm in tweets.
    - Achieved 65 - 71% accuracy with different supervised and semi-supervised machine learning classifiers ([Results](#)).
  - Attended developer training for Hadoop with Spark.
    - Familiarized with CDH, Hadoop ecosystem, HDFS, Sqoop, Impala, HIVE, Flume, Spark stack
- [\*\*Amethyst Labs Pvt. Ltd.\*\*](#) **Co-Founder** (Sep 2014 - May 2016)
  - **Grid: Wireless network of smart-phones**
    - Developed robust [plugin framework](#) for Android to allow development extensions for Grid
    - Designed algorithms for Grid network formation and stabilization, designed and developed UI
  - **Aether: Content distribution service for Grid**
    - Designed and developed the algorithm for a decentralized information distribution system.
    - Developed android application for Aether with native content rendering.

- [\*\*Yelp Image Classification Challenge\*\*](#) **Developer** (Jan 2016 - May 2016)
  - Designed and implemented multiple-instance-multiple-label learning algorithm to predict attribute labels for restaurant using user-submitted images using Convolutional Neural networks and SVM classifier that achieved 82.24% accuracy
- [\*\*Dex\*\*](#) **Developer** (Aug 2015 - Dec 2015)
  - Developed hand recognition tool that detects user's hand gestures to control interaction with Google Chrome, as a college project. Achieved about 70% accuracy in gesture detection with empirical algorithm based on geometry of hand.
- *Open Source Contributions* ([Github](#))
  - [\*\*Git SCM\*\*](#) (Dec 2015 - present)
    - Bug fixes in documentation, ported parts of core utils to newer API.
    - Proposed, discussed and worked on wrapper for git to prevent amateur users from making destructive changes, without reducing usability and extent of control for advanced users.
  - [\*\*Mozilla\*\*](#) (Dec 2015 - present)
    - Developed add-ons for Mozilla Firefox:
      1. [\*\*Blink\*\*](#) New-Tab replacement to show news feed from [Feedly](#) (also for [Google Chrome](#))
      2. [\*\*Owl\*\*](#) Changes theme of webpages to make online reading comfortable.
      3. [\*\*Spoiler Jedi\*\*](#) Detects and blocks spoilers for movie Star Wars: Episode VII.
    - Volunteer Mozilla Add-ons Editor, reviewed code of 100+ add-ons to ensure user security and privacy.
  - [\*\*Haiku, Inc.\*\*](#) (2014)
    - Bug fixes and UI enhancements for window colors and status bar.
    - Implemented UI enhancement (Contents tab) for HaikuDepot, Haiku's software center.