

# Varun Agrawal | Résumé

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## Education

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|---|--------------------------------|
| <b>Georgia Institute of Technology</b><br><i>MS Computer Science,</i>   | <b>Atlanta, GA</b>             |
| <b>National Institute of Technology</b><br><i>B.Tech Computer Science and Engineering,</i><br>GPA: 8.76 / 10.00                               | <b>Surat, GJ</b><br>2009–2013  |
| <b>D. G. Ruparel Junior College of Arts, Science and Commerce</b><br><i>Maharashtra State Board for Higher Secondary Education,</i><br>88.00% | <b>Mumbai, MH</b><br>2007–2009 |

## Experience

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|---|-------------------------------|
| <b>Microsoft Corporation</b><br><i>Software Engineer, MACH</i><br>Bing Entertainment Segments - Data Analytics toolbox<br>Enterprise Commerce Volume Licensing<br>Key Talent FY15                               | <b>Hyderabad</b><br>2013–2015 |
| <b>Microsoft Corporation</b><br><i>Software Engineer Intern</i><br>Operations tool for the Enterprise Service Bus (ESB).  | <b>Hyderabad</b><br>2012      |
| <b>ACM Student Chapter, NIT Surat</b><br><i>President</i><br>Lead team of 22 students to evangelize Computer Science in SVNIT<br>Conducted multiple cross-department events, quizzes and seminars for students. | <b>Surat</b><br>2011–2012     |
| <b>TEDxSVNIT</b><br><i>Publicity Lead</i>   | <b>Surat</b><br>February 2011 |

## Research & Publications

|   |   |
|---|---|
| <b>2015:</b> Indexing Music Based On Lyrical Concepts                       | <i>In Progress</i>  |
| <b>May 2015:</b> Poster, Indexing Music Based On Lyrical Concepts           | <i>Microsoft Machine Learning and Data Science Conference</i> |
| <b>2012:</b> Rank Expert Classification System                              | <i>Provisional Patent Number:2308/MUM/2014</i>                |
| <b>2013-:</b> Easy Facial Expression Recognition                            | <i>In Progress</i>  |
| <b>2012:</b> Active Contour Models and Particle Filters for Object Tracking | <i>Undergraduate Research Seminar</i>                         |

## Awards

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| <b>2015:</b> 3 <sup>rd</sup> - Microsoft India <b>Build The Shield CTF</b> Competition |
| <b>2014:</b> Microsoft FY15 Key Talent Award   |

**2014:** 1<sup>st</sup> - Microsoft India General Quiz  
**2014:** 1<sup>st</sup> - Microsoft Capture The Flag Competition  
**2012:** 6<sup>th</sup> - SecurIT All India Capture Flag (InCTF)  
**2012:** 64<sup>th</sup> - **ACM ICPC** On-site National Round  
**2011:** 1<sup>st</sup> - Amazon What's Your Cloud Idea? Competition  
**2007:** 881<sup>st</sup> rank in National Science Olympiad, India  
**2006:** 1<sup>st</sup> - **University Of New South Wales** All India Aptitude Test in Science

## Skills & Tools

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**Advanced:** C\C++, C#, Python

**Intermediate:** Common Lisp, Ruby, JavaScript, JAVA, SQL

**Basic:** HTML\CSS, L<sup>A</sup>T<sub>E</sub>X Prolog

**Platforms/Frameworks:** Windows • Windows Phone • Linux • Android • Ruby on Rails • Bootstrap • Bottle • Azure
 **Tools:** OpenCV • Git • GNU Octave • Matlab • Lex • YACC • Arduino • Emacs • Visual Studio • Eclipse • GIMP

## Extras & Interests

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| <b>Microsoft Men's Basketball Team</b> | <b>Hyderabad</b> |
| <i>Microsoft India</i>                 | <i>2013-2015</i> |

|   |                  |
|---|------------------|
| <b>NIT Surat Men's Basketball Team</b>                    | <b>NIT Surat</b> |
| <i>2<sup>nd</sup>, NIT Surat National Sports Festival</i> | <i>2013</i>      |

|   |                    |
|---|--------------------|
| <b>NIT Surat Men's Basketball Team</b>                      | <b>MNIT Jaipur</b> |
| <i>4<sup>th</sup>, MNIT Jaipur National Sports Festival</i> | <i>2013</i>        |

|  |               |
|--|---------------|
| <b>Bombay Scottish School Boy's Basketball Team</b>                            | <b>Mumbai</b> |
| <i>3<sup>rd</sup>, Mumbai Schools Sports Association Basketball Tournament</i> | <i>2007</i>   |

|   |               |
|---|---------------|
| <b>Bombay Scottish School Boy's Basketball Team</b>         | <b>Mumbai</b> |
| <i>Participant, CultureConnect Basketball Envoy Program</i> |               |

Conducted by the United States Department of State Bureau of Educational and Cultural Affairs

|   |                  |
|---|------------------|
| <b>Chief Editor</b>                         | <b>NIT Surat</b> |
| <i>Renesa, NIT Surat College Newsletter</i> | <i>2012-2013</i> |

### Music

*Guitar, Music Theory Grade 2*

Last Updated September 1, 2015