

# Varun Agrawal | Résumé

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## Education

### National Institute of Technology, Surat

*B.Tech Computer Science and Engineering,*  
GPA: 8.76 / 10.00

2009–2013

### D. G. Ruparel Junior College of Arts, Science and Commerce

*Maharashtra State Board for Higher Secondary Education,*  
88.00%

2007–2009

### Bombay Scottish School, Mahim

*Indian Certificate of Secondary Education,*  
92.86%

2009

## Experience

### Microsoft Corporation

*Software Engineer, MACH*

Bing Entertainment Segments - Data Analytics toolbox  
Enterprise Commerce Volume Licensing  
Key Talent FY15

Hyderabad

2013–2015

### Microsoft Corporation

*Software Engineer Intern*

Worked to develop an Operations tool for the Enterprise Service Bus (ESB).

Hyderabad

2012

### ACM Student Chapter, NIT Surat

*President*

Lead team of 22 students to evangelize Computer Science in SVNIT  
Conducted multiple cross-department events, quizzes and seminars for students.

Surat

2011–2012

### TEDxSVNIT

*Publicity Lead*

Surat

February 2011

## Research & Publications

**2015:** Indexing Music Based On Lyrical Concepts

*Submitted to ICDM 2015*

Rank Expert Classification System

*Provisional Patent Number:2308/MUM/2014*

Easy, Parallelizable Facial Expression Recognition

*In Progress*

**2012:** Active Contour Models and Particle Filters for Object Tracking

*Undergraduate Research Seminar*

## Awards

**2015:** 3<sup>rd</sup> - Microsoft India Build The Shield CTF Competition

**2014:** 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  
**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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**Microsoft Men's Basketball Team**

*Microsoft India*

2013-2015

**NIT Surat Men's Basketball Team**

*2<sup>nd</sup>, NIT Surat National Sports Festival*

**NIT Surat**

2013

**NIT Surat Men's Basketball Team**

*4<sup>th</sup>, MNIT Jaipur National Sports Festival*

**MNIT Jaipur**

2013

**Bombay Scottish School Boy's Basketball Team**

*3<sup>rd</sup>, Mumbai Schools Sports Association Basketball Tournament*

**Mumbai**

2007

**Bombay Scottish School Boy's Basketball Team**

*Participant, CultureConnect Basketball Envoy Program*

**Mumbai**

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

**Chief Editor**

*Renesa, NIT Surat College Newsletter*

**NIT Surat**

2012–2013

**Music**

*Guitar, Music Theory Grade 2*