

# Varun Agrawal | Résumé

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## Objective

A Summer Internship role involving challenging problems, exciting work and an engaging environment in Computer Science Research and Product Development for a graduate student who values technical excellence and deep commitment.

## Education

### Georgia Institute of Technology

MS Computer Science

Atlanta, GA

2015–Present

### National Institute of Technology

B.Tech Computer Science and Engineering

GPA: 8.76 / 10.00

Surat, India

2009–2013

## Experience

### Microsoft Corporation

Software Engineer, MACH

Hyderabad, India

2013–2015

- Key Talent FY15
- Bing Entertainment Segments
- Built a Data Analytics Toolbox for analyzing petabytes of cross-domain data and inferring of data items to power various entertainment related scenarios for the Bing search engine.
- Enterprise Commerce Volume Licensing.
- Services and apps to power Microsoft's Quoting, Agreements and Core Services in the Enterprise Commerce space.

### Microsoft Corporation

Software Engineer Intern

Hyderabad, India

May–July 2012

- Operations tool for the Enterprise Service Bus (ESB).
- Used for real time management of ESB servers and monitoring against failures.

### ACM Student Chapter, NIT Surat

President

Surat, India

2011–2012

Lead team of 22 students to evangelize Computer Science in SVNIT

Conducted multiple cross-department events, quizzes and seminars for students.

### TEDxSVNIT

Publicity Lead

Surat, India

February 2011

## Research & Publications

2015: Indexing Music Based On Lyrical Concepts

Paper In Progress

2015: Indexing Music Based On Lyrical Concepts, Poster

Microsoft Machine Learning and Data Science Conference

2013: Easy Facial Expression Recognition

In Progress

2012: Exam Rank Expert Classification System

Provisional Patent Number:2308/MUM/2014

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>/1300 - **ACM ICPC** On-site National Round

**2011:** 1<sup>st</sup> - Amazon What's Your Cloud Idea? Competition

## 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

**Languages/Communication:** English, Hindi, Konkani, Italian

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Last Updated November 6, 2015