

Varun Agrawal | Résumé

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Education

Georgia Institute of Technology

MS Computer Science, Computational Perception & Robotics

GPA: 3.75 / 4.00

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

Member of core team to organize first ever TEDx event in the city of Surat.

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: Fast 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: 3rd - Microsoft India Build The Shield CTF Competition

2014: Microsoft FY15 Key Talent Award

2014: 1st - Microsoft India General Quiz

2014: 1st - Microsoft Capture The Flag Competition

2012: 6th - SecurIT All India Capture Flag (InCTF)

2012: 64th/1300 - ACM ICPC On-site National Round

2011: 1st - Amazon What's Your Cloud Idea? Competition

Skills & Tools

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

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

Basic: HTML\CSS, Prolog, \LaTeX

Platforms/Frameworks: Windows • Windows Phone • Linux • Android • Ruby on Rails • Bootstrap • Flask • Azure • Heroku

Tools: OpenCV • Git • GNU Octave • Matlab • Lex • YACC • Arduino • Emacs • Visual Studio • Eclipse • GIMP

Languages/Communication: English, Hindi, Konkani, Italian

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