

Varun Agrawal

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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY

B.TECH IN COMPUTER SCIENCE & ENGINEERING

May 2013 | Surat, GJ
Cum. GPA: 8.76 / 10.00

RUPAREL JUNIOR COLLEGE

Grad. May 2009 | Mumbai, India
HSC : 88.00%

BOMBAY SCOTTISH SCHOOL

Grad. May 2007 | Mumbai, India
ICSE : 92.86%

LINKS

Github:// [varunagrwal](#)
LinkedIn:// [varagrwal](#)
Twitter:// [@varagrwal](#)

COURSEWORK

UNDERGRADUATE

Operating Systems
Artificial Intelligence + Practicum
Distributed Systems
Compilers + Practicum
Computer Graphics + Practicum
Unix Systems

SKILLS

PROGRAMMING

Advanced:

C\C++ • Python • C#

Proficient:

Common Lisp • Ruby • Java • SQL
• Javascript • Assembly

Familiar:

HTML\CSS • Prolog •

Octave\Matlab • L^AT_EX

TOOLS & UTILITIES

OpenCV • Git • NLTK • Lex

• YACC • Multisim 9 • Arduino

• Emacs • Visual Studio • Eclipse

• Adobe Photoshop CS4 • GIMP

• Bootstrap • Jekyll

EXPERIENCE

MICROSOFT CORP. | SOFTWARE ENGINEER

July 2013 – July 2015 | Hyderabad, TS

- Key Talent FY15
- Bing Entertainment Segments
- Enterprise Commerce Volume Licensing

MICROSOFT CORP. | SOFTWARE ENGINEER INTERN

May 2012 – July 2012 | Hyderabad, TS

- Developed an Operations tool for the Enterprise Service Bus (ESB).

ACM STUDENT CHAPTER, NIT SURAT | PRESIDENT

June 2011 – May 2012 | Surat, GJ

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

TEDXSVNIT | PUBLICITY LEAD

February 2011 | Surat, GJ

RESEARCH

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

UNDERGRADUATE RESEARCH SEMINAR

Active Contour Models and Particle Filters for Object Tracking

AWARDS

| | | |
|------|--------------|---|
| 2015 | 3rd | Microsoft Build The Shield CTF |
| 2014 | 1st | Microsoft CTF |
| 2014 | 1st | Microsoft India General Quiz |
| 2012 | 6th | SecurIT CTF, Amrita University |
| 2012 | 64th | ACM ICPC National Round |
| 2011 | 1st | What's Your Cloud Idea? Amazon Inc. |
| 2007 | 881 | National Science Olympiad All India Ranking |
| 2010 | 1st in India | UNSW ETC Science Aptitude Assessment |

EXTRA

| | |
|--------------|--|
| 2nd | NIT Surat Men's Basketball @ NIT Surat National Sports Fest |
| 4th | NIT Surat Men's Basketball @ MNIT Jaipur National Sports Fest |
| 3rd | MSSA Mumbai City Under-16 Basketball Tournament |
| Participant | CultureConnect Basketball Program US Department of State Bureau of Educational and Cultural Affairs. |
| Guitar | Music Theory Grade 2 |
| Chief Editor | Renesa, NIT Surat Newsletter |