

# Amit KUMAR

## PERSONAL INFO

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## WORK EXPERIENCE

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August  
MAY 2015 | **Google Summer of Code 2015** | Python Software Foundation  
*SymPy (Computer Algebra System)*  
Worked on Solvers Module: Improved Mathematical robustness of new solvers module.  
Implemented Complex Sets: Representing infinite solutions in the argand plane; Linear System solver; Differential Calculus Methods.

Present  
NOV 2014 | **Open Source Contributor** | [SymPy](#)  
*Top Contributor in the year 2014-2015*  
SymPy is a Python library for symbolic mathematics (Computer Algebra System). I worked across various modules of SymPy like solvers, sets and reviewed pull requests.

April  
2015 | **Open Source Contribution** | [SymEngine](#)  
*Contributed Two Patches*  
SymEngine is a fast symbolic manipulation library, written in C++. I contributed a couple of Patches (Pull Requests) Implemented Inverse Hyperbolic Secant Function.

## PROJECTS

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October  
2015 | **DTU Resume Manager Scraper**  
*Minor Project 7th Semester*  
Wrote a Python Script, which automatically logsins to the Resume Manager of Delhi Technological University, scraps all the announcements and sends an E-Mail about all the latest updates to all the subscribers. Repeats (Cron) this process every minute, hosted on the Google App Engine.

## EDUCATION

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2012 - 2016 | B.Tech in MATHEMATICS & COMPUTING, **Delhi Technological University**  
AGGREGATE (UPTO 7 SEMESTERS): 62.40%

JUNE 2011 | Class 12<sup>th</sup> **St. Giri School**, New Delhi  
CUMULATIVE AGGREGATE: 84.80%

## SCHOLARSHIPS AND ACHIEVEMENTS

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APRIL 2014 | Qualified for Google Code Jam 2014 (userid: aktech).  
2015 | In HackerRank WorldCup 2015 reached till semifinal with a team of two.  
2015-PRESENT | Core Developer at SymPy, an Open Source Python Library, 20K+ monthly Downloads.  
2012 | Ranked in Top 1% candidates out of 1.3 million Candidates in AIEEE-2012.  
2011 | Ranked 1 in School (Science Batch) in the Senior Secondary (Class 12th ) Examinations.

## TECHNICAL SKILLS

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Proficient: PYTHON, C++, C, LINUX ubuntu, Git.  
Intermediate: HTML & CSS (Basics).