Amit Kumar

+91 (9811) 522 423
dtu.amit@gmail.com
www.iamit.in
Github.com/aktech

Education

2012–Present **BTech Mathematics & Computing**, *Delhi Technological University*, New Delhi, *Final Year Undergraduate Student*.
Aggregate 60.27% (Upto 6th Semester)

2011 **Senior Secondary School (12th)** , *Saint Giri School*, New Delhi, *All India Senior School Certificate Examination*.
Score 85% Batch Rank 1

2009 **Secondary School (10th)**, *Saint Giri School*, New Delhi, *All India Secondary School Examination*.
Score 73%

Projects

2015 April–August **Google Summer of Code 2015**, *Python Software Foundation*, SymPy.
SymPy is a Python library for symbolic mathematics (Computer Algebra System).
Worked on Solvers Module: Improved Mathematical robustness of new solvers module. Implemented Complex Sets: Representing infinite solutions in the argand plane [Link]; Linear System solver [Link]; Differential Calculus Methods [Link] [All commits Link].

DTU Resume Manager Scraper.
Wrote a Python Script, which automatically logins 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 5 minutes, hosted on the Google App Engine. [Link]

Achievements

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

Technical Skills

Programming Languages **C, C++, Python**

Web Technologies **HTML and CSS (Basic)**

Coursework

Computer Science, *Programming and Data Structures, Design and Analysis of Algorithms, Computer Organisation and Architecture, Object Oriented Programming*.

Mathematics, *Modern Algebra, Linear Algebra, Discrete Mathematics, Real Analysis, Partial Differential Equations, Probability and Statistics*.