

Amit Kumar

<http://iamit.in>
dtu.amit@gmail.com | +91 9811522423

EDUCATION

DELHI TECH. UNIVERSITY
(DELHI COLLEGE OF ENGINEERING)
MATHEMATICS & COMPUTING
ENGINEERING
Expected June 2016 | New Delhi
Aggregate: 62.40%

SAINT GIRI SCHOOL
Grad. May 2011 | Delhi, India
BATCH RANK 1

LINKS

Github:// [aktech](#)
Web:// [iamit.in](#)
Blog:// [iamit.in/blog](#)
LinkedIn:// [iaktech](#)
Twitter:// [@iaktech](#)
Quora:// [Amit-Kumar-516](#)

UNDERGRADUATE

Data Structures
Operating Systems
Algorithm Design & Analysis
Linear Algebra
Object Oriented Programming
Scientific Computing, etc

SKILLS

PROGRAMMING

Proficient:
Python • C • C++
Familiar:
HTML • CSS

OPERATING SYSTEM

Linux • Windows

TOOLS & FRAMEWORK

Django • Bootstrap
Git • SublimeText

CONFERENCES

International:
FOSSASIA 2016, Singapore
National:
• Gnome Asia Summit 2016
• PyDelhi Conference 2016
• PyCon Indian 2015

EXPERIENCE

GOOGLE SUMMER OF CODE 2016 | MENTOR

Mentor for SymPy Project

- Mentoring two students on the solvers module in SymPy. [1], [2]

GOOGLE SUMMER OF CODE 2015 | PYTHON SOFTWARE FOUNDATION (SYMPY)

May 2015 – Aug 2015

- 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.

SYMENGINE | OPEN SOURCE CONTRIBUTOR

April 2015 | Couple of 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

CODEPLAY | ONLINE CODE PLAYER

Built a Django web application to Compile and Run code using HackerEarth API.

DTU RESUME MANAGER SCRAPER SCRAPING

A Python Script hosted on Google App Engine, which logs in to the Resume Manager of Delhi Technological University, scraps latest announcements and sends a mail to all the subscribers. Repeats (Cron) this process every minute.

PYDSA PYTHON DATA STRUCTURES & ALGORITHMS

The projects aims to serve as an educational tool for the beginners learning Data Structures and Algorithms through Python. I am mentoring students for Rails Girls Summer of Code 2016 for PyDSA Project.

AWARDS

2016	Qualified	Google Code Jam, Qualification Round.
2015	HackerRank	WorldCup semifinal with a team of two.
2014	Qualified	Google Code Jam, Qualification Round.
2012	National	Top 1% out of 1.3 million Candidates in AIEEE.

SPEAKING

TALKS

- Symbolic Computation with SymPy", FOSSASIA 2016, Singapore.
- Demystifying Python MRO, Ramanujan College, DU.
- Symbolic Computation with SymPy using Python", PyDelhi Meetup, CSDS Sarai. (*Selected talks listed)