

Amit Kumar

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EDUCATION

DELHI TECH. UNIVERSITY
(DELHI COLLEGE OF ENGINEERING)
**MATHEMATICS & COMPUTING
ENGINEERING**
2012 - 2016 | New Delhi
Aggregate: 61.40%

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
Object Oriented Programming
Scientific Computing, etc

SKILLS

PROGRAMMING

Proficient:

Python

Familiar:

HTML • CSS • C • C++

OPERATING SYSTEM

Mac OSX • Linux • Windows

TOOLS & FRAMEWORK

Django • Bootstrap

Git • SublimeText

CONFERENCES

International:

PyCon UK, PyCon Asia Pacific

FOSSASIA 2016, Singapore

SciPy 2016, Austin, TX

PyGotham 2016, New York

National:

• Gnome Asia Summit 2016

• PyDelhi Conference 2016

• PyCon Indian 2016, 2015

EXPERIENCE

HACKEREARTH | SOFTWARE ENGINEERING INTERN
R & D Team | June 2016 - September 2016

- Facilitated the collection of standard error logs.
- Wrote an Error Log Parser for C, C++, Python and Java.
- Wrote a Checker for comparing user output with expected output to give appropriate suggestion for frequently occurring cases.

GOOGLE SUMMER OF CODE 2016 | MENTOR
Mentor for SymPy Project

- Mentored two students for the development of solvers 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.

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.

CRICLIVE CLI

A command line utility to get real time scores of all the live cricket matches around the world.

HASHTWEET PHP APPLICATION

Twitter API client in PHP to display ReTweets with a particular Hash Tag, using the Slim Framework.

SPEAKING

TALKS

- "Introducing MetaClasses", PyCon UK, Cardiff.
- "Symbolic Computation with SymPy", FOSSASIA 2016, Singapore. & SciPy 2016, Austin TX.
- "Demystifying Python MRO", PyGotham 2016, New York.
(*Selected talks listed)