

# Amit Kumar

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## EDUCATION

**DELHI TECH. UNIVERSITY**  
(DELHI COLLEGE OF ENGINEERING)  
BACHELOR OF TECHNOLOGY IN  
MATHEMATICS & COMPUTING  
ENGINEERING  
2012 - 2016 | New Delhi, India

**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

Python • PHP  
C • C++ • Javascript  
HTML • CSS •

### OPERATING SYSTEM

Mac OSX • Linux • Windows

### TOOLS & FRAMEWORK

Django • Flask • Bootstrap  
Git • Vim

## CONFERENCES

### International:

PyCon UK, PyCon Asia Pacific  
FOSSASIA 2016, Singapore  
SciPy 2016, Austin, TX  
PyGotham 2016, New York  
PyCon CZ 2017, Prague

### National:

- Gnome Asia Summit 2016
- PyDelhiConf 2017, 2016
- PyCon India 2016, 2015

## EXPERIENCE

### POWERSVAULT, UK | SOFTWARE ENGINEER

London, United Kingdom | October 2017 - Present

- Software Engineer in the Backend of IoT Platform.

### ZOMATO | SOFTWARE DEVELOPMENT ENGINEER

Gurgaon, India | October 2016 - October 2017

- Built pipeline for Image Quality/Classification for processing millions of Photos.
- Built Automated creation of Collections of restaurants using Review Highlights
- Cuisine Prediction for restaurants using word2vec.
- Built several internal tools.

### HACKEREARTH | SOFTWARE ENGINEERING INTERN | R & D TEAM

Bangalore, India | June 2016 - September 2016

- 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 2017, 2016 | MENTOR

Mentor for SymPy Project

- Mentor for the development of solvers in SymEngine. [1],
- 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

- Improved Mathematical robustness of new solvers module.
- Implemented Complex Sets: Representing infinite solutions in the argand plane;
- Linear System solver, Differential Calculus Methods.

## AWARDS

2016	SciPy	Financial Aid Award
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.

## PUBLICATIONS

[1]. SymPy Authors, "SymPy: Symbolic Computing in Python", 2016. : Peer Journal

## SPEAKING

### SELECTED TALKS

- Data Pipelining with Luigi, PyData London Meetup
- Let's Talk About GIL, PyCon CZ, Prague
- Introducing MetaClasses, PyCon UK, Cardiff
- Demystifying Python MRO, PyGotham 2016, New York, US
- Workshop: SymPy Tutorial, SciPy 2016, Austin, US