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

CAMBRIDGE MEDICAL ROBOTICS | Software Engineer (Contractor)
Cambridge, United Kingdom | June 2018 - Present
• Working on the System Testing for Arm Base Controller of the Surgical Robot.

THE TELEGRAPH | Data Platform Engineer
London, United Kingdom | February 2018 - May 2018

• Created numerous ETL pipelines.
• Worked on improving deployment Infrastructure with Jenkins
• Standardization of Python Projects, migration of ETL pipeline creation from Python 2 to Python 3, automated creation of new pipelines, to facilitate one-click infrastructure to help developers focus on code rather than infra.

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.

GOOGLE SUMMER OF CODE 2018, 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