

# Jitesh Kumar Jha

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## EDUCATION

### MANIPAL INSTITUTE OF TECHNOLOGY

BTECH IN COMPUTER SCIENCE  
Expected 2018 | Manipal, India  
CGPA :9.12/10

## LINKS

Github:// [jiteshjha](#)  
LinkedIn:// [jiteshjha96](#)  
Twitter:// [@jiteshjha96](#)  
Google+:// [jiteshjha](#)

## SKILLS

### PROGRAMMING

Proficient:  
C • C++ • CSS3 • JavaScript  
Java • Python • Ruby • Verilog  
Moderate:  
C# • PHP • MySQL •  $\text{\LaTeX}$

### FRAMEWORK

Ruby on Rails • Bootstrap • AngularJS •  
Android • NodeJS

### OS

Linux(Ubuntu) • Windows

## SOCIETIES

2016 Linux Users Group, Manipal  
2016 Volunteers Service Organization  
2016 Astronomy Club  
2015 Institute of Engineers, CSE

## HONORS AND AWARDS

2016 Finalist, Microsoft Code.fun.do  
Hackathon  
2015 Top App Idea, Microsoft Code.fun.do  
Hackathon  
2014 AICTE Scholarship for 4 year  
undergrad degree

## EXPERIENCE

### UNIVERSITY OF OLDENBURG | SUMMER RESEARCH INTERN

May 2017 - July 2017 | Oldenburg, Germany

- Worked on the Spin glass configuration energy with Traveling Salesman Problem.
- Employed Concorde - A network optimizer to different excited states constraints of spin glass configuration for lowest energy tour simulations.

### GOOGLE SUMMER OF CODE | STUDENT DEVELOPER

April 2016 - August 2016 | Remote

- 1 of 250 people in University(2018 CS class) who participated in Google Summer of Code.
- Worked on Internationalization of publiclab.org with ruby-l18n using Test-Driven Development Approach and Transifex on local server - for organizing translation effort.

### INDIAN INSTITUTE OF TECHNOLOGY BOMBAY | SUMMER INTERN

May 2016 - July 2016 | Mumbai, India

- Developed an open source LabVIEW equivalent - Xcos. Xcos-on-Web is a graphical editor for designing hybrid electronic dynamical systems models.
- Leveraged **Mxgraph.js** library and graph traversal algorithms for implementation of visual connections between blocks.
- Xcos-on-Web is now employed in postgraduate classes at IIT Bombay.

### FIREXIT SOFTWARE | WEB DEVELOPMENT INTERN

September 2015 - November 2015 | Manipal, India

- Single handedly developed a responsive dashboard with **AngularJS** for the unSDK product and data visualization was realized using **D3.js**.
- Revamped the existing website with **Materialize.css**.

### INSTITUTE OF ENGINEERS, CSE | WORKING COMMITTEE

September 2014 - September 2015 | Manipal, India

- Assisted in managing and publicizing the different events and workshops hosted by IE-CSE along with a 3 day college level tech-fest with over 200 participants.
- Worked with teammates on the IE CSE website during 2014 Winter coding session.

## PROJECTS

### HELLO\_FRIEND - Q&A SERVICE

- A SMS-based natural language question answering service in **Flask/Python**.
- Classified user queries into different question classes and generated response according to question class.

### REMOTE SCREEN CONTROL

- A networking tool which allows interactive control, access and support of a remote computer over Local Area Network.

### APRIORI ALGORITHM FOR FREQUENT ITEMSETS MINING

- Parallel implementation of Apriori Algorithm in MPI and OpenCL libraries with vertical data format approach.
- Achieved a speed up of 46% over sequential Apriori algorithm.