

# Jitesh Kumar Jha

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## EDUCATION

### MANIPAL INSTITUTE OF TECHNOLOGY

BTECH IN COMPUTER SCIENCE  
2018 | Manipal, India  
CGPA :9.22/10

## 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

### AMAZON | SDE INTERN, AMAZON PAY BALANCE

Jan 2018 - July 2018 | Bengaluru, India

- Analyzed internal ordering pipeline and improved customer experience by developing a system to cancel Add-Money orders for Amazon Pay on order timeout.
- Reduced Add-Money to Amazon Pay Wallet latency by 14%.
- Improved Add-Money order fulfillment workflow health by resolving several key issues.
- Stack: Java spring, Pearl, internal workflow management system, AWS Services - DynamoDB, Simple Queue Service, Simple Notification Service, Simple Timer Service.

### 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 establishing an Internationalization framework on 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.

## 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.