

# Nabarun Chatterjee

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## EDUCATION

### KALYANI GOVERNMENT ENGINEERING COLLEGE

MTECH IN COMPUTER SCIENCE  
2011 - 2013 | Kalyani, WB

### RAMAKRISHNA MISSION VIVEKANANDA UNIVERSITY

M.Sc IN COMPUTER SCIENCE  
2009-2011 | Belur, WB

### RAMAKRISHNA MISSION VIDYAMANDIRA

B.Sc IN COMPUTER APPLICATIONS  
2006-2009 | Belur, WB

### DON BOSCO SCHOOL

ISC(10+2) 2005| Bandel, WB  
ICSE(10) 2003| Bandel, WB

## LINKS

Github:// [nabarunchatterjee](#)

LinkedIn:// [nabarunchatterjee](#)

## SKILLS

### PROGRAMMING

Python • Shell • Golang(Beginner)  
•  $\LaTeX$

### TOOLS

Terraform • Packer • Vagrant • Ansible  
• Saltstack • Chef • Mesos Marathon

### CLOUD

AWS • Microsoft Azure

### OTHERS

Flask • Wireshark • MySQL

## WANT TO LEARN

### TECHNOLOGY

Kubernetes • Cryptography • AI •  
Computational Geometry

### OTHERS

Photography • Spanish Language

## EXPERIENCE

### OLACABS | PRODUCTION ENGINEER (CORE INFRASTRUCTURE)

June 2016 – Present | Bengaluru

- Rest Apis over Terraform and Packer in Python for creating infrastructure in AWS and Azure.
- Create linux users and groups and manage permissions for all machines accross the stack.
- Setup migration from chef 11 to chef 12 and automate creation of cookbook source dynamically using Berkshelf and gitlab webhooks.
- Expose Rest Apis to automate CRUD for RRsets.

### KNOWLARITY | DEVOPS ENGINEER

April 2015 – May 2016 | Bengaluru

- Automating Telephony Cluster Creation(Ansible)
- Automating Phasewise Release of Telephony Platform(Ansible)
- Monitoring Events and Inventory(Salt)

### PLIVO | DEVOPS ENGINEER

June 2013 – Dec 2013 and Aug 2014 - May 2014| Bengaluru

- Call Quality Analyzer - Extraction of all call detail records, audio, disconnection quality parameters like latency, jitter, ptime and detecting probable issues if extracted values are outside a predefined range.
- Automation of the Process of Number Testing, Improvement of chat bot and tools for internal analytics
- Handling and debugging service and server monitoring alerts. Debugging customer facing call quality issues.

## RESEARCH

### KALYANI GOVERNMENT ENGINEERING COLLEGE | MTECH PROJECT

2012 – 2013 | Kalyani, WB

Detection of Blackhole Behaviour Using Triangular Encryption in NS2 [Paper Link]

### INDIAN STATISTICAL INSTITUTE | PROJECT LINKED PERSON

Feb 2014 – July 2013 | Kolkata, WB

Nature Inspired Heuristics for Large Scale Dynamic Engineering Problems [Github Link]

## PROJECTS

### RAMAKRISHNA MISSION VIVEKANANDA UNIVERSITY | M.Sc. PROJECT

2010 – 2011 | Belur, WB

A Hybrid Minimum Spanning Tree Algorithm on the GPU - A mixture of the Prim's and the Boruvka's approach to find the minimum spanning tree of a graph. The implementation uses Nvidia's GPUs and CUDA and scalable primitives like scan, segmented scan, compact and split to perform the task.

### RAMAKRISHNA MISSION VIDYAMANDIRA | B.Sc. PROJECT

Feb 2008 – July 2009 | Kolkata, WB

Implementation of the RSA Algorithm