# Nabarun Chatterjee

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## SKILLS

### PROGRAMMING
Python • Shell • Golang(Beginner)
• LaTeX

### TOOLS
Terraform • Packer • Vagrant • Ansible
• Saltstack • Chef • Mesos Marathon
• Prometheus • Consul

### CLOUD
AWS • Microsoft Azure

### OTHERS
Flask • Wireshark

## WANT TO LEARN

### TECHNOLOGY
Kubernetes • Cryptography • AI
• Computational Geometry
### OTHERS
Photography • Spanish Language

## 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

## EXPERIENCE

### ATLASSIAN | Site Reliability Engineer
April 2020 - Present | Bengaluru
- Splunk provider for terraform to create dashboards
- Yml interface over terraform for managing unified observability artifacts

### SWIGGY | Senior Devops Engineer
November 2018 - December 2019 | Bengaluru

- Stabilize monitoring and alerting using Prometheus and Consul, design Thanos cluster for HA Prometheus setup

### OLACABS | Production Engineer (Core Infrastructure)
June 2016 – October 2018 | Bengaluru

- Rest Apis over Terraform and Packer in Python for creating infrastructure in AWS and Azure.
- Automate linux users and groups creation and manage permissions on all servers.
- Setup migration from chef 11 to chef 12 and automate creation of cookbook source dynamically using Berkshelf and gitlab webhooks.

### KNOWLARITY | Devops Engineer
April 2015 – May 2016 | Bengaluru
- Automating Telephony Cluster Creation and Phasewise Release of Telephony Platform(Ansible)

### PLIVO | Devops Engineer
June 2013 – Dec 2013 and Aug 2014 - March 2015| 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.

## RESEARCH

### KALYANI GOVERMENT 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 2014 | 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.