

## EDUCATION

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- **NIT SILCHAR** Silchar, Assam, India  
*Bachelor of Engineering in Computer Science* *July. 2014 – May. 2018*

## EXPERIENCE

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- **Reliance Jio** Navi Mumbai, Mumbai  
*Product Engineer* *July 2018 - Present*
  - Working in an Agile Software Development environment to develop and push new API's into production.
  - Designed and implemented end to end integration tests for key microservices pushing code from 50 percentile to 70 percentile.
  - Implemented Apache Kafka's model of producer and consumer in various microservices using Confluent API to replicate data between various microservices.
  - Collaborated with database developers to develop a tool which fetches information about a Cassandra cluster and return it to the user.

## MENTORSHIP

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- **Kharagpur Winter of Code** IIT Kharagpur, Kharagpur  
*Mentor* *Dec 2017 Jan 2018*
  - Helped participants to understand the paradigm of open source contribution.
  - Helped participants to increase the expertise level on Git and GitHub.

## PROJECTS

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- **Smart Contract Microservice:**
  - This microservice is a part of Blockchain platform, whose responsibility is the execution and maintenance of smart contract(executable library).
  - Designed and implemented a Kafka cluster so that smart contracts can be replicated to various executors, so that if and when the pre-defined rules in a smart contract are met, the agreement is automatically enforced.
- **Cassandra Agent:**
  - Cassandra is a NoSQL database management system. Cassandra Agent is a tool which helps is determining the various properties of a particular Cassandra cluster such as number of live nodes, latency for a particular node, etc.
  - Various results from Cassandra Agent is dumped into Cassandra Agent Manager, which is then provided as an end result to the user.
- **IoT Application Server:**
  - IoT Application Server is a tool which provide different API for the mobile app to communicate to the IoT platform for the management of IoT devices.
  - Developed APIs for storing, retrieving and deleting data from Cassandra database which is used in the server.
- **SOS Signal:**
  - Developed an android application to send the location of the user in distress to the person whose contact number is saved by the user.
  - Implemented a system using Google Places API for android to get the current location.

## PROGRAMMING SKILLS

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- **Language:** Java
- **Databases:** MySQL, SQLite, Cassandra
- **Tools:** Git, Android Studio, Eclipse
- **Frameworks:** JSON, Log4j, XML, Apache Kafka