



## Education

### National Institute of Technology Goa | 2016-Present

BTECH IN COMPUTER SCIENCE

- CGPA: 8.38

### Sri Chaitanya Junior College Hydernagar, Hyderabad . 2014-2016

MPC | %: 97.2%

### Chavara Higher Secondary School, Kondagaon | 2014

ICSE | %: 75%

## Skills

### Languages

- Python • C++ • C • MySQL
- Javascript • HTML/CSS

### Blockchain Technology

- Ethereum • Solidity • Truffle

### General

OS: Linux • Windows • KaliLinux

Databases: SQLite • MongoDB

IDEs: Eclipse • Vim • Remix

WEB: Nodejs • Express.js • Rest-APIs

## Coursework

### UNDERGRADUATE

Data Structures and Algorithms

Computer Networks

Introduction to Cryptography

Discrete Mathematics

Database Management Systems

Object Oriented Programming

Operating Systems

Theory of Computation

## Extracurricular

- Event Organiser at Saavyas 2018 at NIT Goa

## Hall of Fame

- DLink - Reported vulnerability in DIR-600M Firmware

## Certifications

- IBM Blockchain Foundation for Developers
- Lucideus Certified Ethical Hacker

## Experience

### Siemens | Blockchain Developer Intern

May 2019 - July 2019 | Siemens,Goa

- Developed a Blockchain platform and Implemented Distributed application(DApp).
- Developed a API service for the Blockchain Framework.
- Implemented POA(Proof of Authority) Consensus Algorithm in the Framework.

## Research Papers

### A NOVEL FRAMEWORK FOR PHARMACEUTICAL SUPPLY CHAIN MANAGEMENT USING DISTRIBUTED LEDGER AND SMART CONTRACTS

10TH ICCCNT 2019 (IIT KANPUR) | Jan 2019 – May 2019 | Published

- Created a Distributed platform for a transparent trading of the medicines(drugs).
- Live tracking of quality and supply of drugs from manufacturer to end user and maintain Accountability.Publication accepted on 6th July 2019.

### A Conceptual Framework for Trustworthy and Incentivized Trading of Food Grains using Distributed Ledger and Smart Contracts

IEEE INDICON 2019 | May 2019 – July 2019 | Published

- Created a Distributed Platform to Eliminate intermediaries between farmers and customers.
- Used Ethereum Blockchain platform to provide Trust and Transparency.

## Projects

### Offline Second Factor Authentication for ATM Transactions

Feb 2020 - Mar 2020

- I have designed and developed a offline challenge-response scheme using elliptical curve cryptography to authenticate the user(card holder) before proceeding with the transaction, this design provides same level of security as with authentication with OTP.

### NITGChain May 2019 - present

- Created a Blockchain For Institute in python from scratch.
- Designed and developed Proof of Reputation roundrobin approach consensus algorithm.

### CHAIN OF THINGS Mar 2019 - Apr 2019

- Integrated IOT and Ethereum Blockchain
- Created a Pipeline:  
Sensor  $\Rightarrow$  Arduino  $\Rightarrow$  Blockchain\_API  $\Rightarrow$  Ethereum\_NODE  $\Rightarrow$  Network

### TRUSTWORTHY ENERGY AUCTIONING IN SMART GRID

Jan 2019 - Feb 2019

- Developed Smart Contracts in Solidity.
- Ensuring Trustworthy and accountable auctioning of energy.

### POWER QUALITY DATA MANAGEMENT Nov 2018- Dec 2018

- Developed an API using Express.js and Web3.js
- Ensured Data Immutability using Smart Contracts and Ethereum

### PET PROJECTS

• Portfolio • SIC/XE Assembler • Weather App • Shappl\_Project • POW(Proof of Work) mining implementaion • HOTEL MANAGEMENT SYSTEM