# Sandeep Kumar

## Computer Scientist

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## Technical Skills ——

**Overview**

**Programming**

golang apps+ servers+ Networking

bitcoin • ethereum • states+ network

hyperledger iroha • sawtooth • fabric

java • python • c • c++

intelligent network programs designing

Docker • Azure Cloud

Javascript • frameworks for client-side

Node.js • Express • Modules for Server

## Education ——

**Bachelor of Science in Computer Science and Engineeringe- 2015-2019** ,Specialization: AI, Blockchain and networking **Niit university, neemrana**

**Class 10th - Class 12th -2013 - 2015, Java ( 90 percentage)**
**Delhi Public School, Ranchi**

**Upto Class 10th, ... 2013 (CGPA 10)**
**O.P Jindal School, Raigarh**

## About Me

I am Computer Science Engineer seeking to explore the modern approch to net-working and Blockchain based application. Mathematical Reasoning has one of my best hobbies and some of my achievements that i have Scored 100 percentile in All India Mathematics Olympiad.

## Experience

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| June 2018 | **Earning Programming Experience** |

- Golang Experience: Server with customized transport layer and customized application layer, http server, web-socket programs, dumping streams to local, P2P networking, IPFS, Docker Basics, webRTC data dumping to golang server, STUN server, Blockchain states,
- Blockchain Experience: Hyperledger projects i.e. Iroha, Sawtooth, Fabric network Architecture and their blockchain data structure and consensus. Written Own BLOCKCHAIN DATASTRUCTRE k/a TRIANGLE BLOCKCHAIN. Working on its networking.

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| Jan 2018 | **Cyber Space Assets, Australia** |

- Worked on the Proposal to put a construction firm on blockchain
- From Aaron David Battle: "Our aim is to build a comprehensive platform for the Australia construction industry organizing Different these parts and allowing faster and more efficient methods of practice." Status: Work is in Progress! "
- * all exchanged documents are classified"

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| July 2017 - | **Writting Server and client Interface for Doon Public School, Jharsuguda, Orissa. Based Portal** |

- https://doonpublicschooljsg.com
- It was not much like implementing moodle like services but yes, It was challenging to some aspects. It is still hosted on azure Cloud as nodejs, mongodb web-Aplication.

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| March 2017 | **Writting Server and client Interface for Sabjidukan( e-commerce based on server and client arch. )** |

- https://github.com/sharmasandeepkr/sabjidukan
- founder & Full Stack Developer
- I was being only developer among three founding bodies of sab-jidukan. It was fun to give time to writ ting nodejs, mongodb based server for providing single page web application to clients. I have written without using angular so all logic behind angular was however written by myself. Lastly certain implementation of blockchain based logic was still left so this project were suspended for some time.

## Research

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| 2018 ... | **Triangle Blockchain**<br>**Thesis**: Blockchain which binds decentralized assets and decentralized currency and propogates in 3-d. Also Written data structure and simulated with postmaster request |
| 2017 - 2018 | **B.Tech, Niit University, India**<br>**Thesis**: Secured and Decentralized Communication between two peers |

- Mentor: Manoj kumar, ( computer architecture) professor, Niit University, India
- **T**ools: Golang, Docker, Docker-composer, Javascript for client representation i.e. nodejs, jquery, and libraries like sawtooth-sdk