Alok S Jaiswal
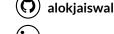
✉ aloknitg@gmail.com ⌂ alokjaiswal

📞 7000085869 in aloknitg

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
Discrete Mathematics
Database Management Systems
Object Oriented Programming
Operating Systems
Theory of Computation
Computer Organisation and Architecture

Extracurricular

- Event Organiser at Saavyas 2018 at NIT Goa

Seminar:
- International Blockchain Congress Goa 2018
- Conference on Computational Partial Differential Equations at NIT Goa

Certifications

- IBM Blockchain Foundation for Developers
- Lucideus Certified Ethical Hacker

Experience

Siemens | Blockchain Developer Intern
May 2019 - July 2019 | Siemens,Goa
- Developed a Blockchain plateform 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 plateform 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 |Accepted
IEEE INDICON 2019 | May 2019 – July 2019 | Accepted
- Created a Distributed Plateform to Eliminate intermediaries between farmers and customers.
- Used Ethereum Blockchain plateform to provide Trust and Transparency.

Projects

NITGChain May 2019 - present
- Created a Blockchain For Institute in python from scratch.
- Implemented POA(Proof of Authority) consensus algorithm.

CHAIN OF THINGS Mar 2019 - Apr 2019
- Integrated IOT and Ethereum Blockchain
- Created a Pipeline:
  $Sensor \rightleftharpoons Arduino \rightleftharpoons Blockchain\_API \rightleftharpoons Ethereum\_NODE \rightleftharpoons Network$

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 Immutibility using Smart Contracts and Ethereum

HOTEL MANAGEMENT SYSTEM Oct 2018
- DBMS based Full Stack Web project
- Implemented Hierarchical Access Structure in the System
- Key Points-> Accountability and Access Control

PET PROJECTS
• Portfolio • SIC/XE Assembler • Application Level Blockchain Implementation in Python3 • Weather App • Shappl_Project • POW(Proof of Work) mining implementaion • HOTEL MANAGEMENT SYSTEM