

ALOK S JAISWAL

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EXPERIENCE

Engineer

Samsung Research Institute Bangalore

JAN 2021 – Present Bengaluru, India

- Worked on B6G protocol-1 of LTE.
- Worked on Endc part of 4G/5G core research
- Participated in all aspects of the software development life cycle (design, code reviews, testing, deployment production support)
- Fixed bugs in the existing code base.

Software Development Engineer 1

Acadza Pvt. Ltd.

August 2020 – January 2021 Remote

- Part of the core team responsible for the development of the company's upcoming product.
- Worked actively in a fast-paced, agile, startup environment.
- Developed Progressive Web Apps using React.js with complete state management and used features like React context API, State lifecycle and React Hooks
- Developed REST APIs, as well as user interfaces for various core features using MERN stack in MVC design pattern.
- Fixed various critical bugs causing UX and performance issues.

Blockchain Developer Intern

Siemens

May 2019 – July 2019 Goa, India

- 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.
- Document new solutions as well as maintaining that of existing ones..

PUBLICATIONS

- A Novel Framework For Pharmaceutical Supply Chain Management Using Distributed Ledger And Smart Contracts. [LINK](#)
- A Conceptual Framework for Trustworthy and Incentivized Trading of Food Grains using Distributed Ledger and Smart Contracts. [LINK](#)

SKILLS

C++, C, React, React Native, Python, Solidity
Nodejs, HTML, CSS, Bootstrap, JavaScript
Firebase, JQuery ,Git, Github



EDUCATION

B.Tech (Computer Science and Engineering)

National Institute of Technology Goa

July 2016 – June 2020

- CGPA- 8.45

HSC

Sri Chaitanya Junior College Hyderabad

June 2014 – May 2016

- Marks- 97.2%

PROJECTS

Vyapar India App [LINK](#)

- Developed android app and webApp during the Covid situation to help local businesses grow online for free.
- More than 4.5k users
- Technology Used React Native, React, Firebase

Offline Second Factor Authentication for ATM Transactions

- Designed and developed a offline challenge-response scheme using elliptical curve cryptography.

NITGChain

- Created a Blockchain For Institute in python from scratch.
- Designed and developed Proof of Reputation round-robin approach consensus algorithm.
- Technology Used: Python.

CHAIN OF THINGS

- Integrated IOT and Ethereum Blockchain.
- Technology Used:Ethereum, Solidity, Arduino.

Trustworthy Energy Auctioning in Smart Grid

- Developed Smart Contracts in Solidity.
- Ensuring Trustworthy and accountable auctioning of energy.
- Technology Used:Solidity , Ethereum.

HALL OF FAME

- DLink - Reported vulnerability in DIR-600M Firmware.

CERTIFICATIONS

- IBM Blockchain Foundation for Developers.
- Lucideus Certified Ethical Hacker.