

COMPUTER SCIENCE AND ENGINEERING

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EDUCATION

IIT Guwahati

B.Tech,CSE

GPA: 7/10

(2016-2020)

SKILLS SUMMARY

Programming Experience

- C, C++
- Python,Java
- Solidity
- HTML,PHP and CSS
- MATLAB
- JavaScript, ReactJs

Software Tools

- Version Control- Git
- Microsoft Visual Studio
- Ethereum
- Hyperledger Fabric
- Django
- Wireshark
- AWS

Trainings

- Summer training on PHP(2017) from Niks Technology, Patna.
- Core java training from Internshala
- Blockchain and IoT workshop certification
- Cloud computing training from NPTEL

EXTRACURRICULAR

- Institute Badminton team
- Institute Carrom team

WORK EXPERIENCE

Research Intern, IIT Patna

May – Jul'19

- Blockchain Research Intern 2019 under Dr. Raju Halder.
- Designed and Implemented a transparent audit trail of data movement in big data monetizing scenario.
- Simulated the blockchain network on Ethereum.
- Technologies used: Solidity, JavaScript, Truffle, Ganache, HTML,CSS,PHP, Java.

PUBLICATION

- **BDmark: A Blockchain-Driven Approach to Big Data Watermarking.** *Asian Conference on Intelligent Information and Database Systems.* Springer, Singapore, 2020.

SOFTWARE PROJECTS

Bus Reservation System

Oct – Nov'17

- Developed using HTML, CSS, Java(JSP), and SQL.
- Improved the understanding of Object-Oriented Programming.
- Learned the integration of various components of a software.

Feedback Management system

Feb – Apr'18

- Used PHP, SQL, HTML, and CSS to develop the application.
- Application for giving feedback to faculty online.
- Understood the concepts of database dependencies and optimizations.

Automated Timetable Generator

Jul – Nov'18

- Implemented using Django, HTML, SQL.
- The feature of MVC Framework of Django leveraged to develop.
- Developed from a Software Engineering- Agile standpoint.
- Git's feature of version control used to have iterations and issues.

Smart home gardening

Jan – April'19

- Deployed sensor which senses the humidity level of soil and android phone is used to make gardening smart.
- Hardware used: Pi board, Water pump, Sensor, Relay channel.
Software used: Rasbian OS.

Securing Fog using Blockchain

July – Nov'19

- The project is about securely off loading the task to the fog nodes.
- A new protocol which doesn't assume the flat topology of the network.
- The protocol was based on hierarchical routing in the network.
- Technology used- Ethereum, javascript, Smart contract, Truffle, Ganache, HTML, CSS.