

NIMISH AGRAWAL

B.Tech in CSE · IIIT Guwahati, India
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EDUCATION

2022

B.Tech, IIIT Guwahati

CPI: 8.73/10 (Till sem VII)

2018

Class 12, KPS Sahibabad

PERCENTAGE: 85.20% (CBSE)

2016

Class 10, KPS Sahibabad

CGPA: 10/10 (CBSE)

TECHNICAL SKILLS

Programming Languages

Python · Rust · C++ · Java · Go

Blockchain Development

Solidity · Ganache · Substrate

Ink! (Polkadot) · Hyperledger Fabric

Web Development

HTML · JavaScript · Flask

Miscellaneous

Linux · AWS · MySQL · Git

ACHIEVEMENTS

- ★ Winner of Polkadot Hackathon: APAC Edition (Docathon Track)
- ★ Winner of [Avalanche Developer Contest 2021](#)
- ★ In [Top 1%](#) of Blockchain Architecture Design course, NPTEL [MOOC]
- ★ 2nd position in Table Tennis men's Team at SPIRIT '19 [IIIT Guwahati]

COURSES

- Algorithms
- Economics
- Data Structures
- Cloud Computing
- Operating Systems
- Object Oriented Programming
- Blockchain Architecture Design
- Database Management System

COMPETITIVE PROGRAMMING

- ★ Codeforces: [@realnimish](#) [Max-Rating: 1908, **Candidate Master**]
- ★ Codechef: [@realnimish](#) [Max-Rating: 2097, **5 Star Coder**]
- ★ Rank 226/19,000+ in Google Kickstart 2021 [Round A]
- ★ AIR 235 in Google HashCode 2021 Online Qualifier
- ★ Rank 183/32,000+ in Facebook Hacker Cup'2020 Qualifying Round

EXPERIENCE

FEB'22 - APR'22

Ethereum Protocol Engineering Intern, Nethermind

- Worked on the Foreign Function Interface between the Verkle Trie rust library and Nethermind client written in C#
- Added support of RocksDB storage in the Verkle Trie library.
- Abstracted Verkle Trie library to support multiple variants of it with a common interface
- Used Rust in-build test support and NUnit framework at client side to do unit testing of the programs.
- Contributing in the ongoing development of the Nethermind client.

MAY'21 - JUL'21

SDE Intern, Legato Health Technologies

- Built a POC model - "Appointment Booking System" using Hyperledger Fabric with three organization network from scratch.
- Used multi-channel system and Private Data Collections (PDCs) for anonymity and privacy in the network.
- Wrote multiple chaincodes in Go language and used CouchDB to store the data and wrote mango queries for it.

PROJECTS

Automated Market Maker (AMM) | [GitHub](#) | [Live](#)

- Built a substrate-compatible smart contract using Ink!
- Built an EVM-compatible smart contract using solidity.
- Published a detailed step-by-step tutorial on [Figment.io](#).
- Tech Stack: Solidity, Ink!, Ethers.js, Polkadot.js, ReactJS

Decentralized Chat Application | [GitHub](#) | [Live](#)

- Built an EVM-compatible smart contract using solidity.
- Published a detailed step-by-step tutorial on [Figment.io](#).
- Tech Stack: Solidity, Ethers.js, ReactJS, Remix

Real-Estate Portal | [GitHub](#)

- Portal for agents to manage the sales & purchase of properties.
- Generates the sales report of the agent.
- Responsible for developing the CLI version of the application.
- Tech Stack: Java, MySQL, Node.js

Last updated: February 2022