

# Anudit Nagar

Full Stack Blockchain and Web Developer, Researcher.

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## 👋 Introduction

Bachelor of Technology, Computer Science Engineering Student, with working knowledge on multiple, cross platform projects as a lead full stack developer around JavaScript, Python, Solidity, C++. Pursuing research and development in the field of distributed systems, federated learning, differential privacy and blockchain technology. Always trying to solve fundamental problems around me to make things better, breaking barriers, creating something new.

## 🎓 Education

- **Bennett University, Greater Noida, India** 2018-2022  
*Bachelor of Technology, Computer Science.*  
Best Computer Science Project of the Year 2018 and 2019
- **Somerville School, Noida, India** 11<sup>th</sup> - 12<sup>th</sup> Grade (93% Agg)  
*Physics, Chemistry, Mathematics, Computer Science, English.*  
President, Computer Society. Student Council Member.
- **Global Indian International School, Queenstown, Singapore** 9<sup>th</sup> - 10<sup>th</sup> Grade  
*Physics, Chemistry, Mathematics, Computer Science, English - (10 CGPA)*  
APJ Abdul Kalam Award for Academic Excellence

## 📁 Experience

- **Syracuse University, New York** – *Research Intern*  
Researching on Differential Privacy, Federated Learning and Blockchain Technology
- **GitCoin KERNEL Fellowship** – *Fellow*  
KERNEL is an invite-only program for top tech talent building in blockchain and Web3 surrounded by leading mentors from the Web3 community.
- **Ginete Technologies, Noida** – *Blockchain Engineer*  
Responsible for the designing and development of Ethereum based Cross-Platform Applications, Auditing Smart Contracts and detection of various vulnerabilities in smart contracts.
- **InstaDapp** – *Blockchain Developer*  
Development on backend stack and UI.

## 🔧 Projects

**The Sentinel AI** – *Solidity, Python, Javascript*  
A Blockchain based Decentralized AI ecosystem allowing any ML model to learn from local user data in a privacy-preserving manner, rewarding devices that help improve the accuracy of the global model.

**Multichain Swap** – *Python, Javascript, Solidity*  
A DApp enabling users to swap tokens across blockchains like Ethereum, Binance & EOS in an Atomic, Gasless and Seamless manner.

**Pyblock** – *Python, JavaScript*  
A POC Layer 2 Implementation of a custom blockchain in Python with support for syncing chain and transaction compression across multiple nodes.

**NASA Interactive Video Maps** – *Javascript*  
A data viz. project including Interactive Cartographic Video Maps built using WebGL for real time data streamed from NASA.

**The Lockdown Network** – *Python, Javascript*  
A decentralized Blockchain backed Privacy Network which helps users gain back control of their data in a secure and federated manner.

**Attendr** – *Python, Javascript, Java*  
A One-Shot Learning based facial recognition system with a dynamic QR code attendance system allowing for a seamless classroom experience.

**VoluntHere** – *Javascript*  
Project that aims to provide a platform to individuals who are passionate for social work, it is a transparent and easy system to explore and understand various projects started by NGOs all over India.

**Minute to Code** – *Javascript*  
MTC aims to teach programming to all through an innovative interface that relates to the learners in real life, making sure that they learn something new even if they have just 5 minutes to spare.

## 🛠 Skills

- Logical, Analytical & Computational
- Design and Integration Problem Solving
- Perform under pressure
- Contribute as individual and in team
- Excellent Communications
- Result driven and dedicated

## 📦 Competencies



## 🏆 Awards and Honours

- **ETH Global - HackFS** 2020  
Winner
- **Covidathon - Decentralized AI** 2020  
Global Winner
- **ETH India - Online** 2020  
**ETH India - DeFi MoneyLegos** 2020  
**ETH India - Chainrunner** 2020  
**ETH India - DApp Jedi** 2020  
4x Global Winner
- **Bennett Industry Project Showcase** 2019  
Best Computer Science Project
- **Bennett Industry Project Showcase** 2018  
Best Computer Science Project
- **SOF – 17th National Cyber Olympiad** 2017  
International Bronze Medalist
- **Dr. APJ Abdul Kalam Azad Award** 2016  
All-Round Academic Excellence
- **Asian Regional Space Settlement Design Competition (ARSSDC)** 2016  
Asian Finalist
- **Microsoft Imagine Cup** 2015  
National Finalist
- **SOF – 15th National Cyber Olympiad** 2015  
Zonal Gold Medalist with State Rank 1

## 📖 Publications

**Privacy-Preserving Blockchain Based Federated Learning with Differential Data Sharing** 2019  
arXiv:1912.04859

## 📄 Certifications

- **Harvard University** 2019  
HarvardX – CS50 Computer Science
- **IBM** 2019  
Blockchain Essentials