

# Santanu Kumar

## EDUCATION

### VEERMATA JIJABAI TECHNO-LOGICAL INSTITUTE

BTECH IN ELECTRONICS AND  
TELECOMMUNICATION  
2019-2023(expected)

### ATOMIC ENERGY CENTRAL SCHOOL-4

HSC | 92.2 PERCENT  
2017-2019  
Mathematics and  
computer science

### ATOMIC ENERGY CENTRAL SCHOOL-2

SSC | 95.8 PERCENT  
2017

## ORGANIZATIONS

### TECHNOVANZA,VJTI

Sponsorship executive and Public  
Relations officer

## LINKS

Github:// [santanukumar](#)  
LinkedIn:// [santanukumar](#)  
Email:// [santanukumar](#)

## SKILLS

### PROGRAMMING

#### LANGUAGES:

C++ • Python • SQL • Solidity • Javascript  
C • Matlab • HTML • CSS

#### FRAMEWORKS:

• Scikit-learn • Numpy • Pandas • Flask •  
Django

#### Familiar:

• Web3 • MySQL • OpenCV

## COURSEWORK

### UNDERGRADUATE

Web Development  
Machine Learning  
Blockchain  
OOPS  
IOT  
Deep Learning

## LANGUAGES

English  
Hindi  
Bengali

## PROJECTS

### GENUINE CHARITY APPLICATION

Mar 2021 - May 2021

Github:// [Genuine-charity-application](#)

- Prevent Malpractices like Money Laundering through Charity Organizations and make their financial transactions more secure.
- Create a Transparent Charity System using Smart Contracts on Ethereum.
- created a Solidity Smart Contract, used web3, ganache-cli, mocha, to test out our contract.

### MEDICO BUDDY

Jun 2021 - Aug 2021

Github:// [Medico-Buddy](#)

- Flask ML web app which predicts the probability of 4 diseases and medical insurance cost required
- Made an interactive CHATBOT to engage and help the users.
- It employs different ML models to predict the diseases accurately

### ETHERGRAM

Jul 2021 - Aug 2021

Github:// [Ethergram](#)

- Check out Ethergram
- A decentralized version of Instagram running on Ethereum blockchain.
- Create a smart contract with solidity, frontend with ReactJS.
- Connect, storage and get data from IPFS network.(InterPlanetary file system)

## EXPERIENCE

### FPGA DEVELOPER INTERN,TIFR

Aug 2021 - Present

- Worked on a customized ZYNQ Board with Linux/Verilog and fixed bugs in the code which writes into the EEPROMs and then reads back using i2c tools

## ACADEMIC ACHIEVEMENTS

- Secured 22000 rank in Joint Engineering Examination among 14 lakhs students from all over India
- secured 1400 rank in Common Entrance Test , Maharashtra among 2 lakhs students from all over Maharashtra
- Qualified for the second rounds of National Science and Mathematics Olympiads conducted by the Science Olympiad Foundation

## EXTRA-CURRICULAR ACTIVITIES

- Won a university level quiz competition
- Represented my school and college in numerous Quiz Competitions conducted by various organizations
- Represented my school in district level swimming competition

## INTERESTS

Astrophysics • Game theory • Artificial Intelligence • Reading •  
Cryptocurrencies • International Relations