Santanu Kumar

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EDUCATION

Veermata Jijabai Technological Institute   Mumbai, India | 2019-2023(expected)
BTech in Electronics and Telecommunication

Atomic Energy Central School-4   Mumbai, India | 2017-2019
HSC | 92.2%

WORK EXPERIENCE

TIFR | FPGA Developer Intern   Mumbai, India | Dec 2021 – Jan 2022

- 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.

PROJECTS

GENUINE CHARITY APPLICATION ⬈   Blockchain,Solidity,Node JS, Ganache-cli,Mocha
Mar 2021 - May 2021
Prevents Malpractices like Money Laundering through Charity Organizations and make their financial transactions more secure using Smart Contracts on Ethereum.Used web3, ganache-cli, mocha to test out our contract.

MEDICO BUDDY ⬈   Machine learning,Python, Flask,Google Dialogflow
Jun 2021 – Aug 2021
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 navigate through the webapp.It employs different ML models to predict the diseases accurately

AI COVID DETECTOR ⬈   Deep learning,Python, Flask
Jan 2022 – Feb 2022
Made a flask webapp for Detection of Covid-19 in patients from Chest Radiography Images(X-RAYS) using Xception CNN Architecture with over 95% accuracy.

ETHERGRAM ⬈   Blockchain, ReactJS, IPFS
Aug 2021 – Sep 2021
A decentralized version of Instagram running on Ethereum blockchain. Created a smart contract with solidity, frontend with ReactJS and Fetched and stored data from IPFS network.(InterPlanetary file system)

SKILLS

Interests: Machine Learning• Data Science • Deep Learning• Blockchain• Opensource
Languages: Python• C++• C• Solidity• SQL
Frameworks: Scikit-learn• Numpy • Pandas• Flask• Django • Tensorflow
Familiar: Web3• React• OpenCV• JavaScript • HTML/CSS• NoSQL

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

- Sponsorship executive and Public Relations head at TECHNOVANZA,VJTI
- Represented my school and college and won 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