

Kunal nayak

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Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2020 - Present	B.S.	Indian Institute of Technology, Kanpur	5.1/10
2020	CBSE(XII)	Jawahar Navodaya Vidyalaya, Bangalore Urbun	91.6%
2018	CBSE(X)	Jawahar Navodaya Vidyalaya, West Singhbhum	90.2%



Scholastic Achievements

- Secured **468(SC Rank)** and **All India Rank 19668** in **JEE Advanced 2020** among the **2.2 Lakh** shortlisted candidates.
- Secured **All India Rank 28164** in **Joint Entrance Exam Main 2020** among the **12 Lakh** candidates.

Key Projects

- Decentralized Voting System | Self Project | ** (Feb'22)
 - Made a **Ethereum-based decentralized application** for voting system with **React client**.
 - used **solidity** language to write contract and **solc** compiler for generating ABI and bytecode.
 - deployed contract using Ganache-CLI (blockchain simulator) on the local machine
 - Truffle** and **web3js** library used to interact with the contract and make the deployment process easy.
- Sentiment Analyser: | Stamatics Club ,IIT Kanpur | ** (May'23 - Jun'23)
 - created a **model to predict the sentiment of a sentence** using logistic regression
 - used **Sentiment140 dataset with 1.6 million tweets** for training the modal
 - React Clint** hosted on **GitHub** (visit the site)
 - API for modal** hosted in **render cloud services**

Open Source Contributions

- Next higher number with same set bits | The Algorithms | ** (Jun'23)
 - (merged) an algorithm that gives a Next higher number with the same set of bits in C++ language
- Date and time added | Sunbird Unified Communications Interface (UCI) | ** (Jun'23)
 - (open) added date and time to the chats between the AI bot and user

Technical Skills

- Programming Languages:** C, C++, HTML, CSS, JavaScript, Solidity, Python, L^AT_EX
- Technologies/Frameworks and Soft-wares:** VS Code, Linux, GitHub, Git, Flutter, Ganache, Micro-Cap
- Libraries:** Web3js, Reactjs, Truffle, Expressjs, FastApi

Relevant Courses

Fundamentals of Computing Modern Cryptology Introduction to Electronics Numerical Methods of computing Linear Algebra and Differential Equations Multivariate calculus Set Theory and Logic	Introduction to Machine Learning Data Structure and Algorithm Probability and Statistics Numerical Analysis Foundations: Data, Data, Everywhere *(Coursera Course) Analysis-II(Complex Analysis) ANALYSIS- I (Real Analysis)
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Extra-Curricular Activities

- Dakshana Selection Test | Dakshana** (Feb'21-Mar'21)
 - Conducted **Joint Dakshana Selection Test** and **Navodaya Dakshana Selection Test** at **Jawahar Navodaya Vidyalaya West Singhbhum (Jharkhand)**.
 - Total **10** selected students of different schools are appeared
- Code for GovTech | Samagra** (Jun'23)
 - As a participant, contributed to the UCI web channel And **made proposal for theming and configuration project**
 - About 42000 students and working professionals participated in this open source contest