

Santanu Kumar

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EDUCATION

Veermata Jijabai Technological Institute
BTech IN ELECTRONICS AND TELECOMMUNICATION
Atomic Energy Central School-4
HSC | 92.2%

Mumbai, India | 2019-2023(expected)

Mumbai, India | 2017-2019

WORK EXPERIENCE

Fi
DATA ANALYTICS INTERN

Bengaluru, India | Jan 2023 – Present

- Influenced data-driven decisions across the business spectrum—**product, engineering, and finance**—through **end-to-end ownership** of projects.
- Building **tableau dashboards** for stakeholders to make necessary decisions and performing **RCA** in case of down-times.
- Worked on developing and structuring the '**Kill switch**' **algorithm** for Fi, backed up by analytics. This reduced the number of tickets generated by **30%**, and the success rates of transactions increased by **5%** on average.

Crux Intelligence (Fractal Analytics)

Mumbai, India | June 2022 – Aug 2022

DATA SCIENCE INTERN

- Worked on the question completion feature of their **data informatics product**.
- Generated **training data** by converting the available raw data into interim templates and **upsampling** them.
- Used the **Hugging Face** library to fine-tune the **Transformer model (GPT-2)** for natural language generation, and evaluated the results using the **Perplexity score** and **n-gram overlapping analysis**.
- Performed regular cleaning and outlier removal on the training data to align with the client's requirements.

PROJECTS

TWITTER-SENTIMENT-ANALYSIS 

NATURAL LANGUAGE PROCESSING, SENTIMENT ANALYSIS

Apr 2022 – May 2022

Webapp built to display the sentiments of people regarding any events happening in the world. Cleaned and analysed the incoming tweets, used **textblob** to extract their sentiment, converted them into vectors using **TF-IDF** and fed them into 3 models (**Naive Bayes**, **SVM** and **Logistic Regression**) to compare their accuracy.

AI COVID DETECTOR 

DEEP LEARNING, TRANSFER LEARNING, FLASK

Jan 2022 – Feb 2022

Deployed 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, REACT, ETHEREUM

Jul 2021 – Aug 2021

A decentralized version of **Instagram** running on the **Ethereum blockchain**. Created a **smart contract** with **solidity**, frontend with **ReactJS**. Stored and fetched data from **IPFS network**. (InterPlanetary file system)

SKILLS

Interests: Machine Learning • Data Science • Deep Learning • Data Analytics • Blockchain • Opensource

Languages: Python • SQL

Frameworks/Libraries/Tools: Scikit-learn • Tableau • Excel • Numpy • Pandas • Flask • Tensorflow • Hugging Face

Familiar: C++ • Web3 • React • OpenCV • HTML/CSS • NoSQL • Solidity • Snowflake

POSITIONS OF RESPONSIBILITY

- Sponsorship executive and Public Relations head at Technovanza, VJTI
- Founding member and Joint General Secretary at Vishwa Astroclub, VJTI

INTERESTS

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