

# VIKAS KUMAR SAHU

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MALE , 21 YEARS

## OBJECTIVE:

Utilize my skills in software development, web technologies, and machine learning to deliver innovative solutions and address complex challenges. Focused on contributing to organizational success and growth in a dynamic setting.

## EDUCATIONAL QUALIFICATIONS:

B.Tech (CSE)	8.4 (Current)	Indian Institute of Information Technology, Design & Manufacturing (IIIT) Kurnool	2026 (Expected)
Class XII	91.4%	Kendriya Vidyalaya No. 1, Colaba ,Mumbai	2021
Class X	95.6%	Kendriya Vidyalaya No. 1, Colaba ,Mumbai	2019

## PROJECTS:

### TextEdits:

[link](#)

- TextEdits is an advanced web-based tool designed for comprehensive **paragraph editing** and **text analysis**, enabling users to efficiently modify and optimize text.
- It provides functionality for **transforming text case** (including uppercase, lowercase, and title case), **eliminating unnecessary whitespace** (such as leading, trailing, and extra spaces), and performing accurate character and **word count analysis** on paragraphs..
- This tool streamlines text processing, **enhancing productivity and reducing manual errors**. By automating these tasks, it improves text clarity and consistency, making it invaluable for professionals needing accurate and polished text for various applications.
- Tech Stack:** HTML | CSS | JavaScript | Bootstrap | ReactJS|

### ClothShop:

[link](#)

- ClothShop is a comprehensive management system tailored for efficiently managing various operations in a cloth shop.
- It can handle tasks such as **tracking daily profit and loss**, **managing employee salaries** on a day-wise basis, **calculating total cash** and online earnings, and overseeing **inventory management**.
- By automating these processes, ClothShop enhances operational efficiency, minimizes manual errors, and provides valuable insights for decision-making, ultimately **boosting the shop's profitability** and smooth functioning.
- Concepts Applied:** Object Oriented Programming, Modular Coding, File Handling.
- Tech Stack:** Python | JSON |

### Sentiment Analysis using Deep Learning

- Developed a sentiment analysis classifier tool using Recurrent Neural Networks (RNN) to accurately **classify positive and negative sentiments** in text data.
- The model was trained and tested using the IMDB dataset, applying essential concepts such as data analysis, data cleaning, model training, and hyperparameter tuning to **optimize performance**.
- This project leverages deep learning techniques to provide reliable sentiment classification, offering valuable insights into customer opinions and **enhancing decision-making processes** in various applications.
- Concepts Applied:** Neural Networks (RNN), Data Analysis, Data Cleaning, Model Training, Hyperparameter-Tuning .
- Tech Stack:** Python | Numpy | Pandas | Tensorflow | Keras | NLTK |

## EXTRACURRICULAR AND ACHIEVEMENTS

### ~Mohapatra's Academy (Mumbai)

2021-2022

Teaching | Tech Team

During the post-COVID lockdown phase, had the privilege of educating hundreds of underprivileged students in Mumbai's slums and played a key role in transforming Mohapatra Academy into an ed startup committed to providing quality education and holistic development at the lowest possible cost.

~Ranked among the **top 9** students who successfully changed their branch in 2023 at IIITDM Kurnool. Transitioned branch from ECE to CSE.

~Cleared **JEE Main**, **JEE Advanced**, and **MHT-CET** engineering entrance exams through self-study.

~Secured **1st rank among 41 teams** in a **nationwide innovation contest** organized by GPREC for presenting Krishi, a prototype app empowering small farmers with all essential digital tools.

## TECHNICAL SKILLS:

**Data Structures and Algorithms:** Solved **500+** Leetcode Problems (C++), 1400+ CodeChef Rating.

**Languages:** Python, JavaScript, HTML, CSS, C,C++.

**Web Development Frameworks and Tools:** React.js, TailWindCSS,Bootstrap, jQuery, NodeJS, GSAP, Flask, FastAPI, Firebase.

**Data Analysis, Machine Learning and Deep Learning Tools:** TensorFlow, Keras, NLTK, Scikit-learn, Streamlit, NumPy, Pandas, Seaborn, Matplotlib, LangChain.

**Database Management:** MySQL, MongoDB, PostgreSQL.

**Version Control:** Git, GitHub.

## LANGUAGES:

English, Hindi