

RITESH KUMAR MAURYA

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EDUCATION

Motilal Nehru National Institute of Technology, Allahabad

B. Tech Biotechnology GPA: 8.79 2021-2025

Ram Lakhan Public School, Varanasi

AISSCE CBSE 96.20% 2020

SKILLS

Programming Languages **Python, C, C++** (STL), HTML.
Frameworks/Libraries **NLP, Django**, TensorFlow, Keras, NumPy, Pandas, Scikit-Learn
Tools **Git**, GitHub, Transformers, Data Structures

Experience

ML Developer Intern | Pied Piper

[Oct 2022-Present]

- Working on Spam Detection System.
- Using NLP to detect and filter spam comments and answers in both Hindi and English.

PROJECTS

Facial Expression Detection [GitHub] [YouTube]

- It takes a live image of a person and tells the expression it contains, e.g., Angry, Happy, Sad, Calm, etc.
- Based on **Deep Learning**, it uses **TensorFlow** for training the model over a dataset consisting of the above expressions and Haar Cascade in **OpenCV** for Face detection (& increase accuracy) and is implemented in **Python**.
- **200+ Stars** on GitHub and **100K+ views** on YouTube.

WebDart[Link]

- An Open-source Machine Learning based website where users enter their Instagram handles and the web app will predict if they are mentally healthy, based on their posts.
- It was built during **DevJam 2022** by a team where I developed the website's backend.
- Django, TensorFlow, and Keras were used for the project.

MyVendor [Demo]

- A real-time Shopping Portal for Fresh Vegetables.
- Features include Product Viewing, **Login/Signup**, and Checkout/order placement (using the **PayTM** payment gateway) from Cart.
- Used **Django** Web Framework as the backend; **HTML, CSS, JavaScript**, and **Bootstrap4** for the front end; Django Allauth and Pycryptodome for secure authentication.
- Order information is saved in Django Database (**MySQL**).

ACHIEVEMENTS

Secured rank 2 in Machine Learning-based events **Logical Rhythm** and **Mastering the Robo-Thon** under Avishkar'22, and secured rank 3 in **CodeWarriors** under Avishkar'22.

Ranked 3 in **ContriHub'22**, participated in Hacktoberfest 2021 and 2022 with 20+ merged PRs and various other contributions to CCEXTRACTOR's Rekognition project(link).

Certificate of Completion of the course **Supervised Machine Learning: Regression and Classification** on Coursera by Andrew Ng.

Best **Chess** player of MNNIT in **Spardha'22**.