MANISH SEHRAWAT

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Education

The Northcap University, Gurugram, India	**2018 - 2022**

- Bachelor of Engineering (B.E) in Computer Engineering | CGPA: **9.02/10**

Delhi Public School Ghaziabad	**2018**

- *AISSCE (Class XII), Aggregate:* **92.4%**
- *JEE Mains Score:84*

Chiranjiv Bharati School	**2016**

- *AISSE (Class X), CGPA:* **10**

Skills

| Python | Machine Learning | Deep Learning | DBMS | Natural Language Processing | Data Structures | SQL | Tableau |

Data Analysis | Flask | HTML | CSS | Statistics | Object Oriented Programming

Work Experience

EY GDS	WAM Intern (Technology Consulting)	4-months	**2022**

- Worked on JAVA, SpringBoot, Angular and MySQL
- Contributed to the development of Stock Screener Tool
- Part of the backend team

Neurosensum	Data Scientist	1-Year and 10-months	**2020-2021**

- Implemented Few-Shot learning for company's product.
- Directly handling one of the clients
- Inspecting data minutely using excel and python libraries
- Data preprocessing
- Using machine learning as well as deep learning for predictive tasks.
- Writing and deploying machine learning pipelines.

Augray	Deep Learning Intern	1-month	**2020**

- Worked on Virtual-Try on project.
- Used tools like CVAT and Labelbox to annotate the scraped images and extract the useful portions of the image.
- Made unguided project using CNNs and OpenCV that lets you play rock paper scissors with your computer using camera.

Projects

Speech Emotion Recognition	**2021**

A machine learning model that recognizes the sentiments of the audio spoken by people.

- Deep exploration of sound features like mfccs, zcr etc. that helps most in emotion recognition.
- Tried various models including LSTMs, CNN etc. to improve the accuracy

Face Recognition Attendance System	**2021**

A complete system that marks attendance using face recognition and handles the data using MySQL.

- Created the user-friendly interface using python inbuilt tkinter library.
- Connected MySQL database with python
- Used various image processing techniques like contrast stretching to enhance the model's accuracy

Rock Paper Scissors using computer vision	**2020**

A computer vision-based game that uses trained CNN model to identify the player's move.

- Scraped images from web and also collected my own data through camera using OpenCV.
- Trained custom CNN model on the collected data and save the trained model in h5 file.
- Developed game logic using python.

Suicidal Rate Analysis	**2019**

Performed extensive research on suicidal rates across the world by exploring hidden insights in the dataset using tableau.

- Used tableau to create insightful maps and graphs.
- Created the proper dashboard and uploaded it on tableau community.

Academic and Extracurricular Achievements

- Wrote research paper on speech emotion recognition.
- Secured 127th international rank on deep learning hackathon on Hackerearth.
- Coordinated various events in college