AADITYA GIRISH KOMERWAR

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Profile

I am a python developer and currently pursuing Bachelor degree in Computer Engineering I am a **data-driven** enthusiast I have completed **10-12 projects** in Machine Learning, Deep Learning and NLP.

Professional Experience

Software Engineer Intern, *Algorithmic Electronics*   2021 – 2022
- We got accuracy of **90%**.   Pune, India
- We worked on **Twitter Sentimental Analysis**.
- I fetched **real time data** using Twitter API using **twilio** library.

Projects

Polycystic Ovary Syndrome Detection, *(Python, Numpy, Pandas, Scikit Learn, Matplotlib, Seaborn)*
- The **exact cause** of PCOS is **unknown**. **Early diagnosis and treatment** along with weight loss will **reduce the risk** of long-term **complications.**
- Detected the disease using **Logistic Regression** with accuracy of **92%**.

Voice Based Object Detection System, *(Python, OpenCV, SpeechRecognition)*
- This can be **used** as a **scarecrow** in the **fields**.
- This will help **visually impaired** to move freely and **recognize** the objects around them.
- I used **YOLO pre-trained model** for **object detection**.
- Used **speech recognition** for establishing a **voice-based output**.

Bird Audio Classification, *(Python, Deep Learning, Matplotlib)*
- This can be **used** in **recognizing sounds** of various **species of birds.**
- I converted the audio files into spectrogram using Short-Time Fourier Transform (STFT) algorithm.
- Got an accuracy with **CNN** of **96.67%.**

Skills

Python | Machine Learning | Deep Learning | Docker | PySpark | Matplotlib | Seaborn | PowerBI

MySQL | Hugging Face Transformers | Amazon Web Services | MongoDB

Awards

Internal Smart India Hackathon   2021
- We were **2nd Runner-Up**.
- We created an **E-Commerce website** for sales of **Bicycles.**

Education

B.E. in Computer Science, *Savitribai Phule Pune University*   2019 – present
- **Percentage: 70.03%**

Qualification XII, *Savitribai Phule Pune University*   2019
- **Percentage: 60%**

Qualification X, *Savitribai Phule Pune University*   2017
- **Percentage: 83.6%**