Vivek Badade

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Computer Engineering
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EDUCATION

•**Government Polytechnic, Pune** *2022*
Mechanical Engineering CGPA/Percentage: 86.33

•**Anand Maharaj Arts, Commerse and Science College** *2019*
Secondary and Higher Secondary Education, Pune CGPA/Percentage: 60.00

•**Maratha Highschool, Nashik** *2017*
Secondary and Higher Secondary Education, Pune CGPA/Percentage: 90.40

PROJECTS

•**Fake News Detection using LSTM based Deep Learning Approach** *2022*
Detecting whether the news is 'Real' or 'Fake' by analysing text

– Tools & technologies used: Python
– In this project, we propose a deep learning approach using Long Short-Term Memory (LSTM) neural networks for the detection of fake news. The proposed approach takes the textual content of news articles as input and utilizes an LSTM architecture to capture the temporal dependencies of the text. We also incorporate attention mechanisms to highlight the most important words and phrases in the news article, enabling the model to focus on the most relevant information for classification. The proposed LSTM-based model is trained on a publicly available dataset of news articles and achieves an accuracy of 94 percent in detecting fake news.

•**Smart Traffic Light** *2023*
Establishing a traffic light system through webcam-based car detection to monitor the number of vehicles.

– Tools & technologies used: Raspberry pi, Python
– Webcam is connected to Raspberry pi. The video captured from the webcam is sent to raspberry pi. This project uses OpenCV library and RPi.GPIO library for Raspberry Pi GPIO. It captures video frames from a camera, processes them to detect objects of a specific colour, and controls GPIO pins of a Raspberry Pi based on the detection results

TECHNICAL SKILLS AND INTERESTS

Languages: English, Marathi, Hindi
Developer Tools: C, Python, Java, Cpp
Frameworks: Bootstrap
Cloud/Databases: SQL
Soft Skills: Communication, Teamwork
Areas of Interest: Music

EXTRA CURRICULAR

•**Animal Rescue** NGO Visit, Creating Dog feeders, Rescuing dogs from the sreets *2022*

•**Harmonium** Cleared level 3 of Harmonium Exam *2012-13*