SYNOPSIS OF THE PROJECT

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Shared folder/git repository details	https://github.com/sincy1999/main-project.git
Project Title	Wild Animal Detection in Human Settlement Area

Description of Project:

Animals straying into human settlements in search for food cause conflicts, resulting in injury to humans, animals, or both. Application of technology can help reduce human–animal conflicts, and one such solution is the use of a fully automated monitoring system to detect animal transgressions. The development of a monitoring system for elephant intrusion can help to track the presence of animals over forest prone areas and avoid the chance of interference or harm of animal to human life. Animal is identified by matching the present captured image through CCTV. Using a ultrasonic sensors sense the detecting object . When animal detected send a buzzer sound to the people .This system helps to save the life from animal using a LED strip. The proposed method uses the YOLO object detection model to ascertain presence of wild animals in video. The model is fine-tuned for identifying different types of animals (elephant, zebra, giraffe, bear).

Front end and Backend Tools	Python