NANYANG TECHNOLOGICAL UNIVERSITY
SINGAPORE

School of Computer Science and Engineering
College of Engineering

Snake Pattern Detection Using Image Recognition

Saving Lives with Machine Learning

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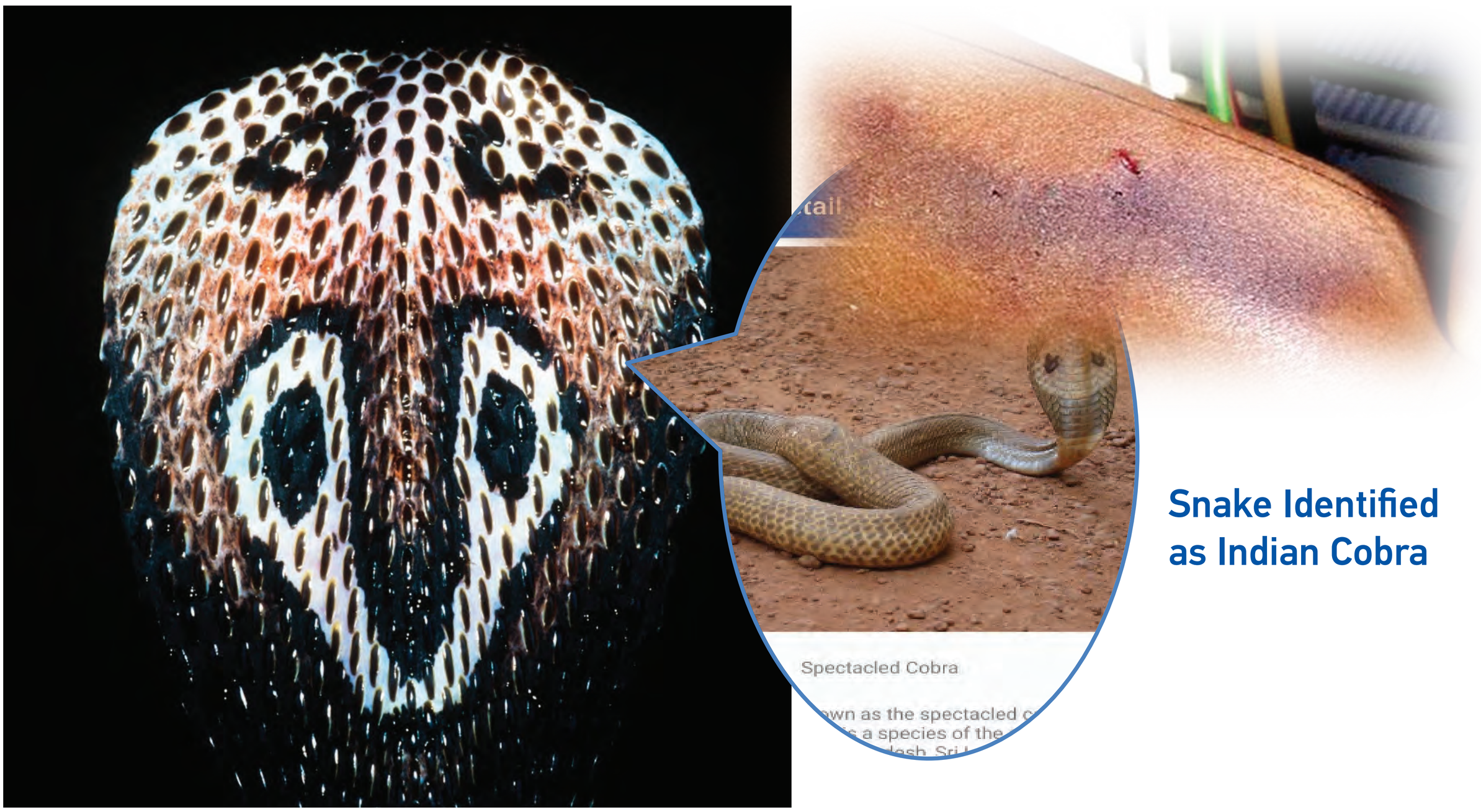
Project Objective:

Every year, about a 100,000 people die from snake bites and 3 times as many people suffer lasting effects such as amputation & kidney failures.

This year, our project's goal is to quickly identify venomous snakes with image recognition & direct victims to the nearest hospital holding the required antivenom.



Snake Identified as Indian Cobra

Voting Architecture:

Using 3 proven Image Recognition models, we improve accuracy by implementing a voting architecture. Giving each model a single vote, the snake image is identified as the one with the most votes.