# AI BASED LOCALIZATION AND CLASSIFICATION OF SKIN DISEASE WITH ERYTHEMA


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# ABSTARCT

- This project describes the skin disease detection and classification using yolo algorithm
- deep convolutional neural networks (DCNNs) have achieved promising results in detecting skin cancer
- Yolo is the pretrain model is implemented for train the model images
- Based on weight value of function is implemented for train the images

# INTRODUCTION

- Skin diseases remain a major cause of disability worldwide, and skin conditions pose a significant threat to patient well-being.
- Skin conditions accounted for 1.79% of the global burden, measured in disability-adjusted life years (DALYs), of 306 diseases and injuries in 2013
- Malignant melanoma is a highly aggressive cancer that tends to spread to other parts of the body, and may be fatal if not treated early
- melanoma is detected at an early stage, it can usually be completely removed with surgery. Recently, deep learning has played a vital role in the early detection of cancer

# EXISTING SYSTEM

- In existing model machine learning algorithm has been implemented in existing system
- Deep learning CNN model has been implemented in existing system
- random forest ,resnet50 ,alexnet those model has been implemented in existing system
- Those algorithm is provide the less accuracy and sensitivity in existing system

# DISADVANTAGES

- Less accuracy
- Less sensitivity
- Less specificity

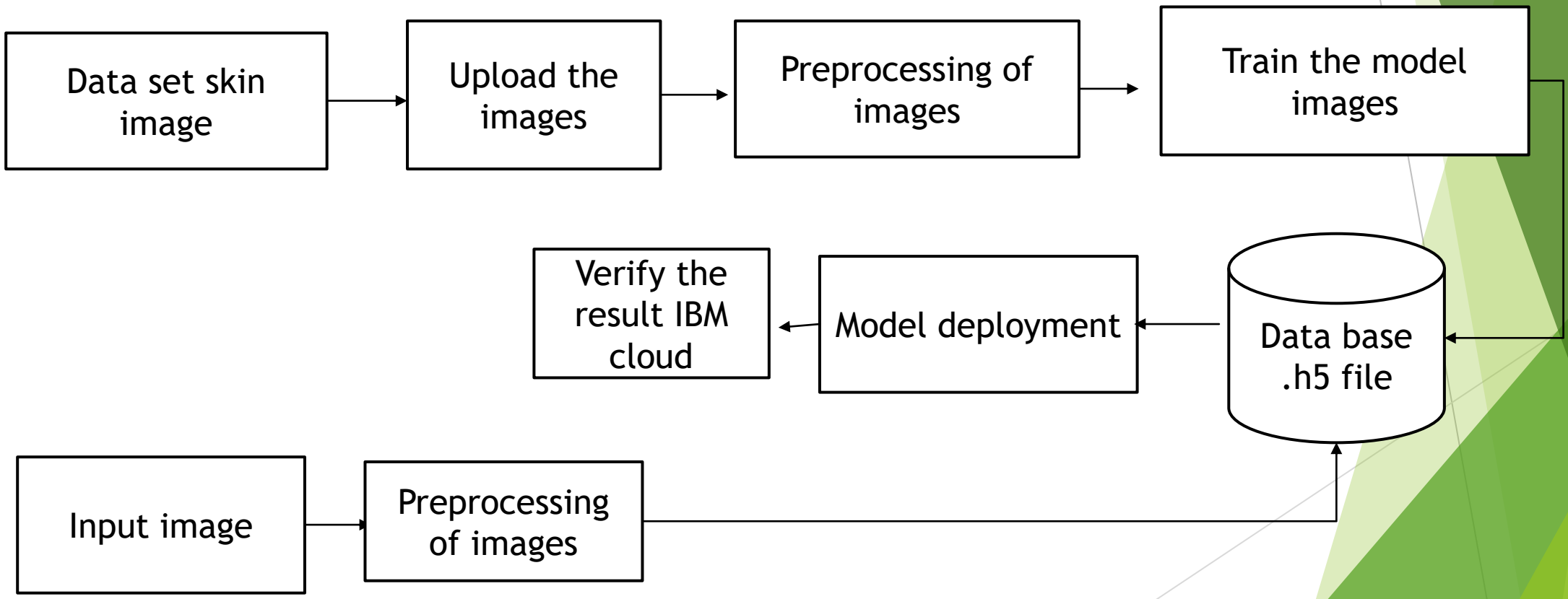
# PROPOSED SYSTEM

- The proposed system is implemented for yolo based algorithm is for train the skin image
- Yolo is consists of number of build layer for train the model
- Its consists of input layer ,convolution layer ,ReLu layer is implemented for train the model
- Pickle file generated for train the mode and deployed using deep learning algorithm

# Software requirement

- Python
- Flask
- DB2 IBM
- jupyter notebook

# Block diagram



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