

# CarcinoCheck


# Our Team

Team : Whitebeard Crew

Team Members :

1. Saswat Mishra
2. Kumar Abhishek
3. Rudra Prasad Dash

College : National Institute Of Technology, Rourkela

An illustration showing a doctor with light skin and freckles, wearing a light blue shirt, examining a patient's chest. The patient has dark skin and is wearing a white garment. The doctor is holding a stethoscope with a blue and white patterned chest piece against the patient's chest. The background is a solid light green color. Two speech bubbles are present: one from the doctor asking a question and one from the patient responding.

Are you worried  
about this patch?

Yes, Is there  
anyway I can  
perform self-  
diagnosis ?

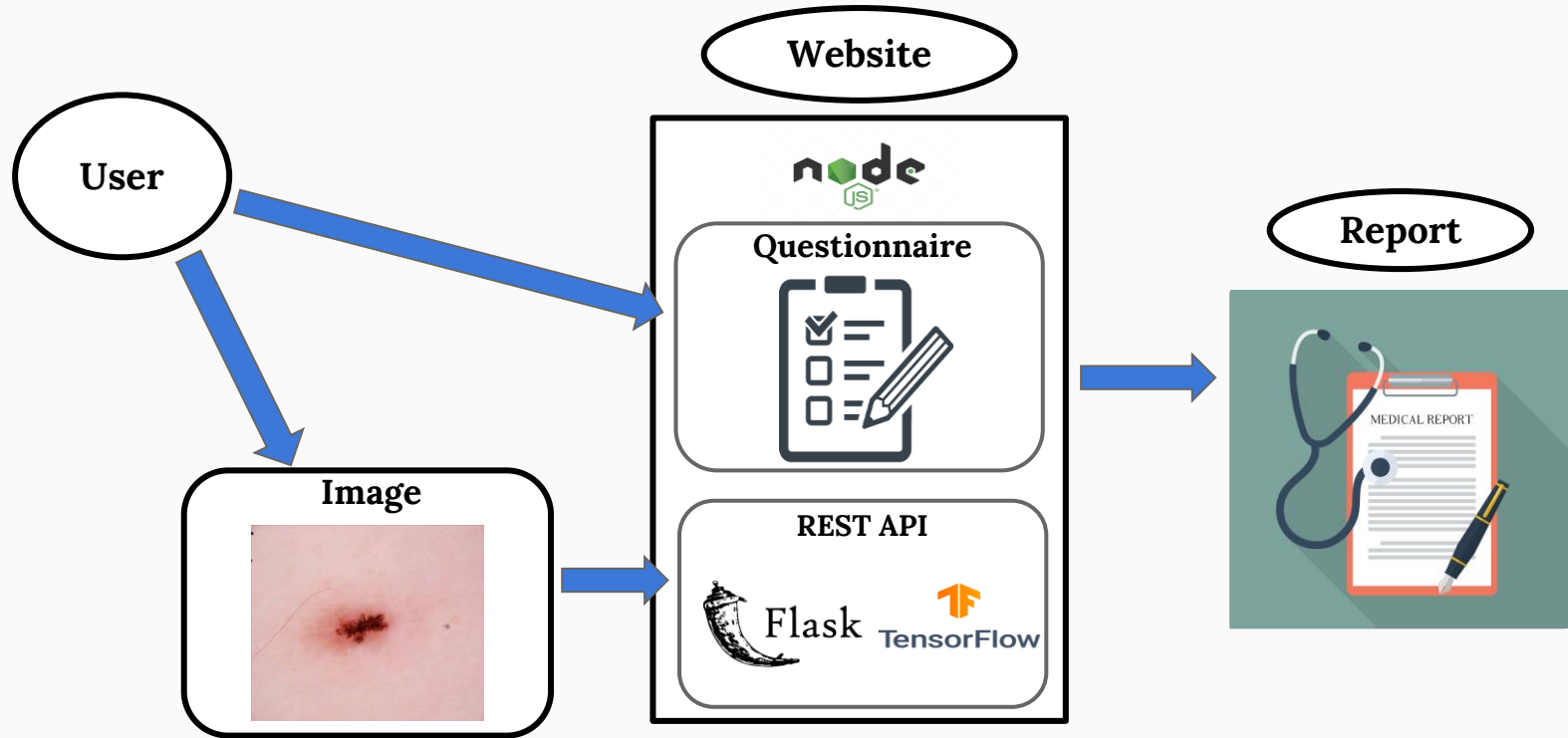
# Problem Overview

- During the corona pandemic, people have to suffer as COVID testing is first required before performing any other medical diagnosis.
- This leads to a delay in diagnosis which causes further delay in treatments.
- The side effects include constant worry and anxiousness among individuals.
- Diagnosis delay leads to unnecessary frequent visits to hospitals as well.
- Problem in decision making of dermatologists.

# Our Solution

- Reduces diagnosis delay.
- Predicts type of skin cancer.
- Provides questionnaire based evaluation.
- Access dermatologists and hospitals in nearby location.
- Reduces frequent visit to hospital during corona pandemic.

# WORKFLOW



# Technology Used

- Programming Language Used
  - JavaScript
  - Python
- Model Development
  - Scikit-Learn
  - TensorFlow 2.0
- REST API development
  - Flask
- Website Development
  - Node.js
  - Bootstrap
- APIs Used
  - Geo-location finder
- Version Control
  - Git

# Future Aspects

An app including all the features on the website.

An internal team of dermatologists who will be available for online consultation for places with no nearby skin care hospitals.

A premium feature including consultation with doctors through a text based interface on our website.



# Competitors:

- SkinVision (Amsterdam )
- Skin Analytics (U.K )
- SkinIO (Chicago)
- FirstCheck (New Zealand)
- CureSkin (India)

# Monetization

- In App ad revenue generation from contextual advertising from skin care hospitals and skin related medical products.
- Premium version of app will enable users to remove ads.
- Premium plan for direct online consultation with skin cancer specialists from a panel of specialists.

**Thank You**