



Team Buzzbryte

TEAM BUZZBRYTE

DermaDetector

Harnessing AI for Instantaneous Skin Condition Analysis



Tem Buzzbryte

MEET OUR TEAM



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PROBLEM STATEMENTS

- 01** Hard to classify various skin conditions and their chronicity
- 02** Various Skin diseases confused with acne/mole
- 03** Limited awareness about dermatologists
- 03** High cost and time consumption of the traditional method of diagnosis



SOLUTION: DERMA-DETECTOR

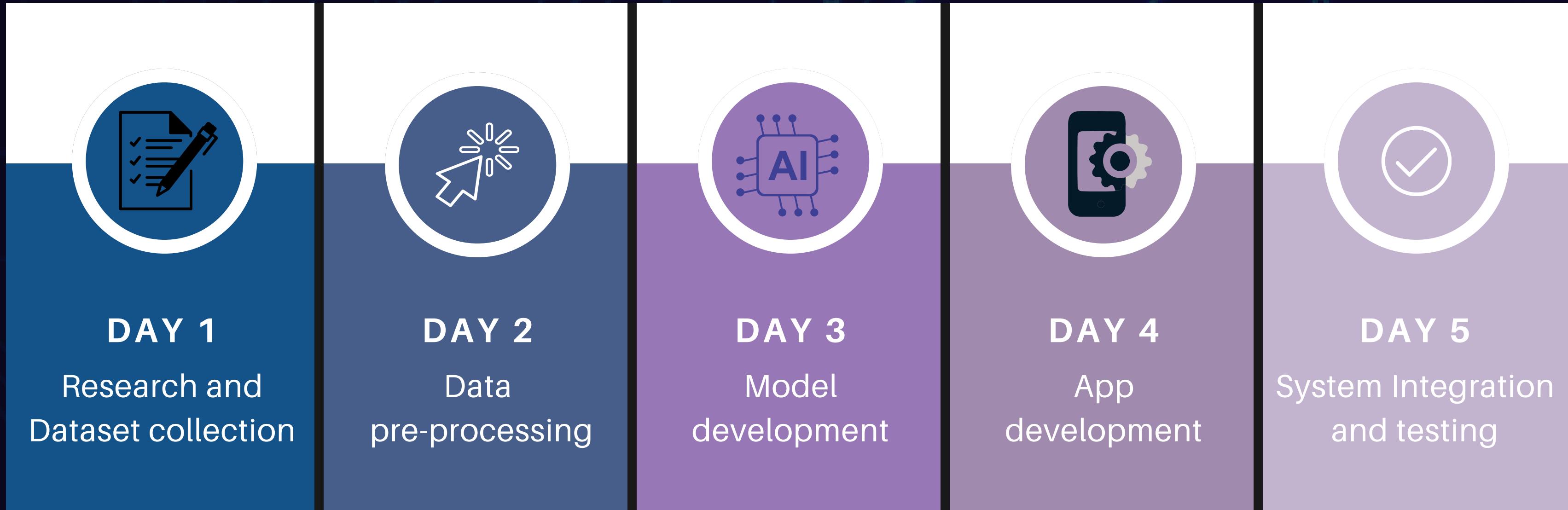
Accessible and affordable solution for real-time diagnosis of various skin conditions utilizing AI for high accuracy and immediate results

KEY FEATURES

- 01** Real-time Image analysis
- 02** Accurate classification using CNN model
- 03** Multimodal LLM for providing feedback



DEVELOPMENT APPROACH



Data Collection and pre-processing

Dataset sources:

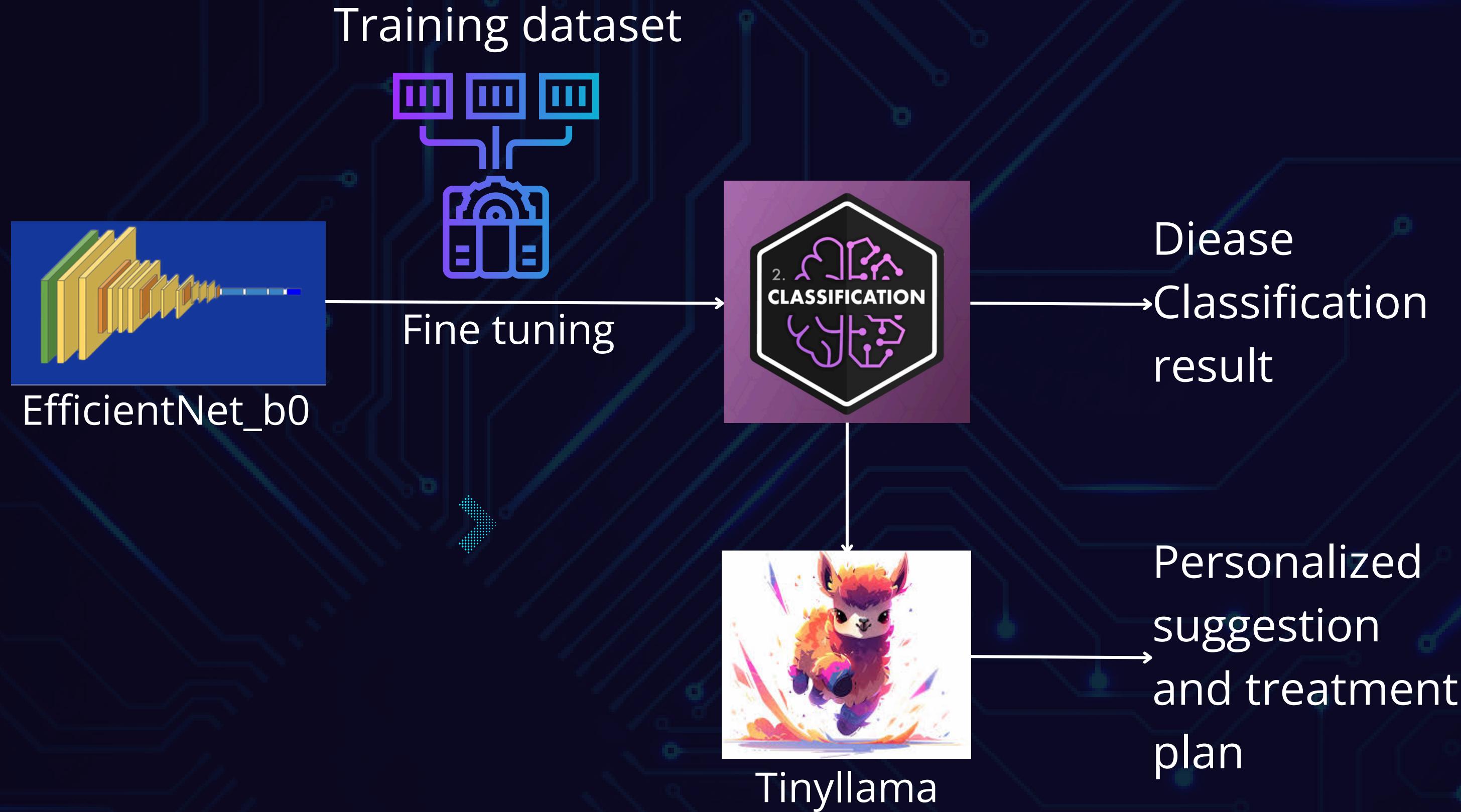
- International Skin Imaging Collaboration (ISIC)
- Kaggle
- ImageNet

Limitation: 15 classes of skin condition



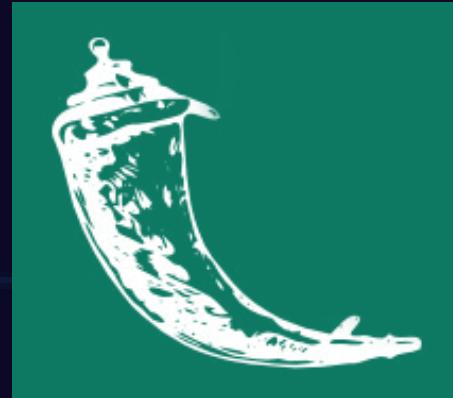
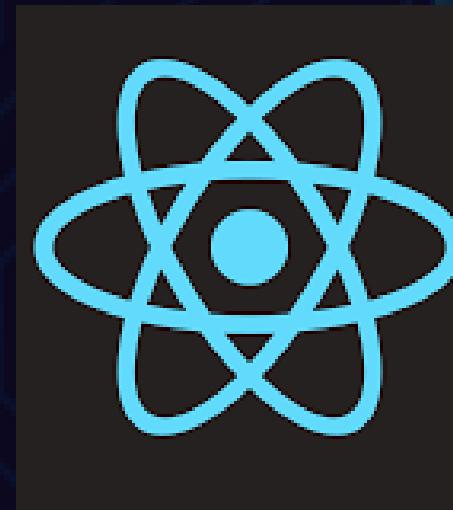


Model Development



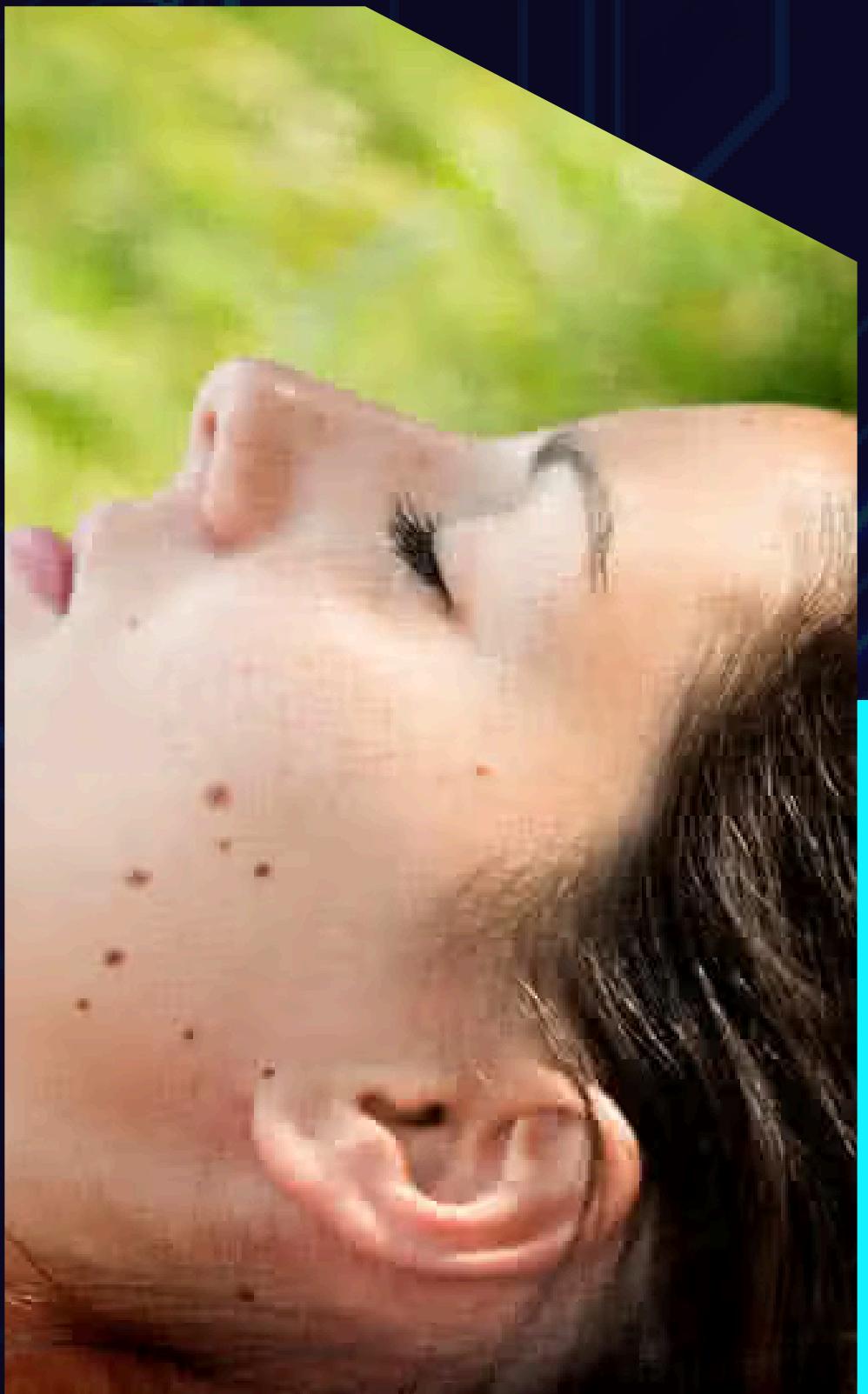


App Development



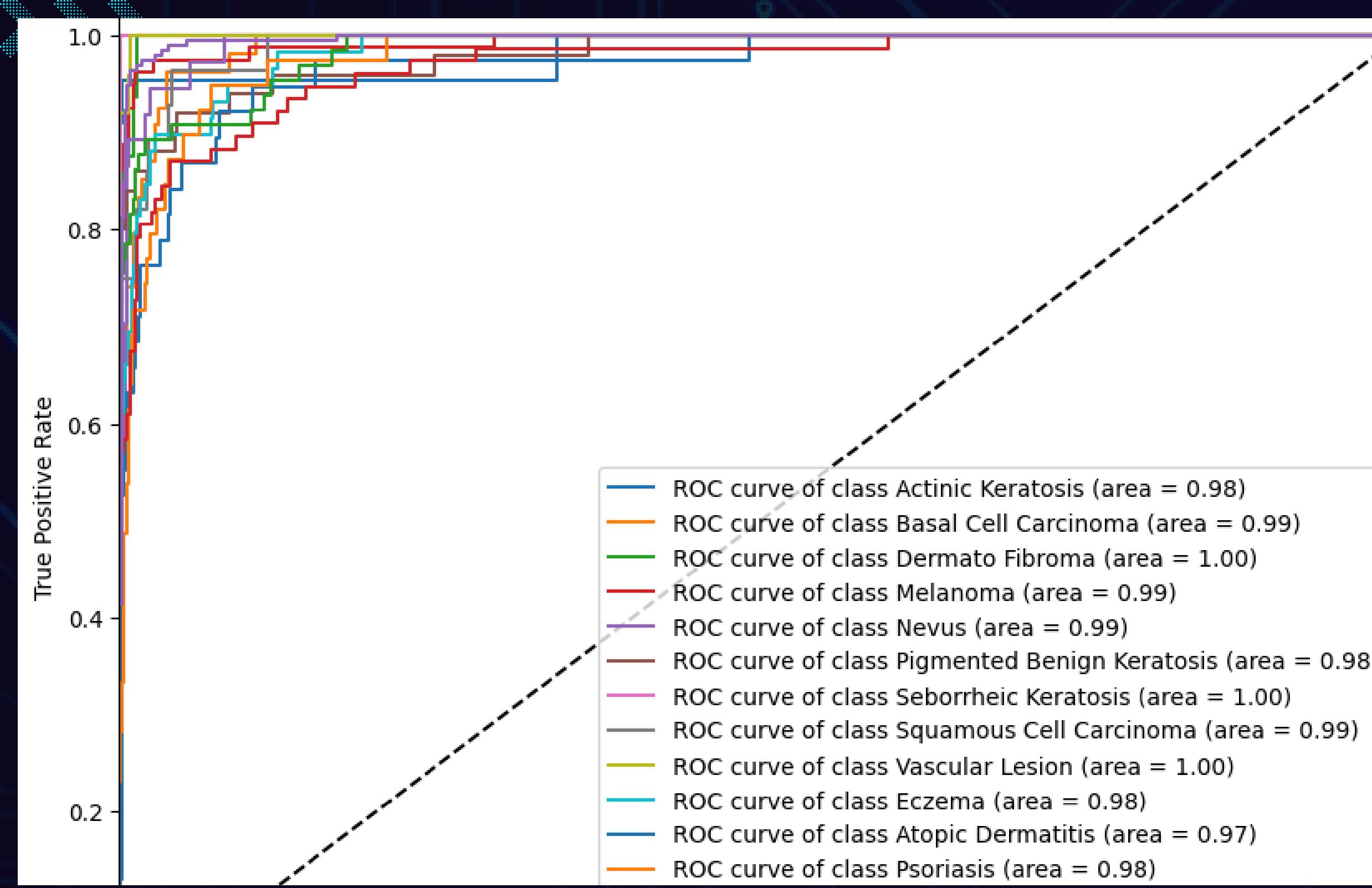


KEY FEATURES



- 1 Real-time analysis results
- 2 Easy access and user friendly UI
- 3 Strong focus on user privacy
- 4 Accuracy and affordability
- 5 Personalized feedback

Evaluation Metric: ROC Curve



Business Model

TARGET AUDIENCE

- 01 Individuals
- 02 Dermatologists
- 03 Healthcare institutions

FUND GENERATION

- Grant from NGO/INGOs
- Partnership with healthcare institutions
- Advertisement based revenue
- Freemium model
(Nominal Premium charge)

Future enhancements

- Model improvement with credible primary dataset
- Feedback based learning, two way communication for better prediction
- Increase in number of diseases to classify
- Coordination with medicinal practitioner for validation of results



THANK YOU

Any Queries?