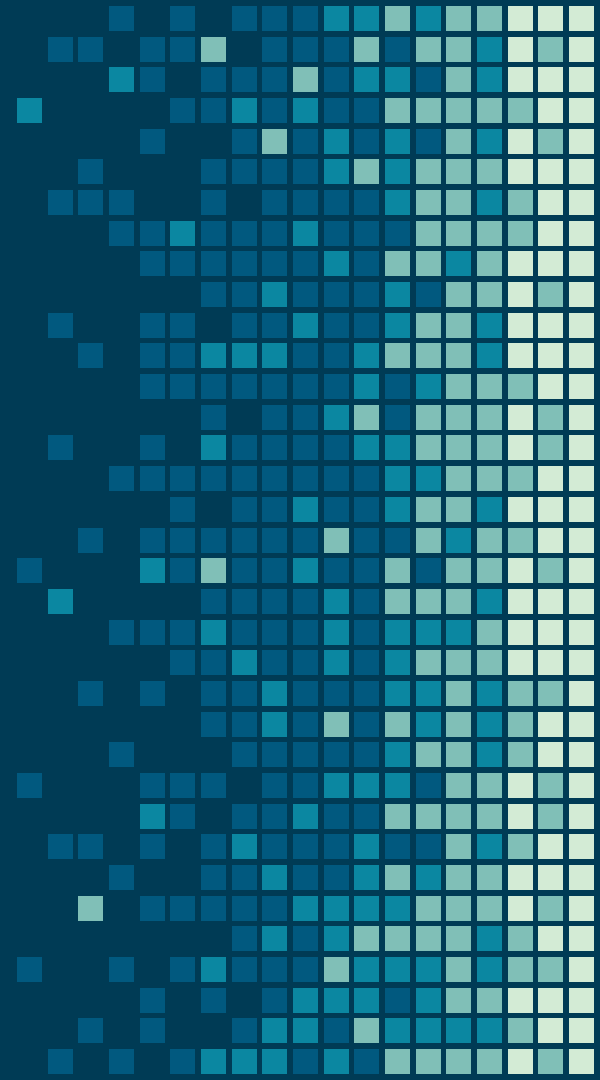


AI-enabled Medical Diagnostic Tool

CASE STUDY



INTRODUCTION

- ❖ Our Solution is to create an AI-based image processing platform for healthcare industry which can help doctors remotely diagnose diseases using diagnostic reports.
- ❖ The governments in the developing nation sector with the tool and, in turn, this can free up healthcare professionals who can then be deployed in more critical areas.





PAIN POINT

- ❖ Secretary-Mimicking AI performs assistant tasks showing intelligence and semi-autonomously, with quickness and consistency, therefore facultative pathologists to specialise in slide interpretation, which ends during a marked increase in productivity, a decrease in error, and reduction of stress in daily follow.
- ❖ Secretary-Mimicking AI undergoes encounter-based learning regularly, leading to endless improvement in its knowledge-based intelligence.



BUSINESS MODEL

- ❖ Our solution will work with both hospitals and diagnostic centres on a SaaS-based model.
- ❖ It may also hold up with hospitals and diagnostic centres at first on a revenue sharing basis or pay per use basis till it builds trust within the market.

WAY TO MARKET

Our solution ought to begin with collating and analyzing all the medical reports by doing pilot projects with hospital and diagnostic centers to excellent the algorithmic program. It will Additionally adopt crowdsourcing model to collect information wherein interactive application platforms on mobile phones can take pictures of specific conditions over a time duration.

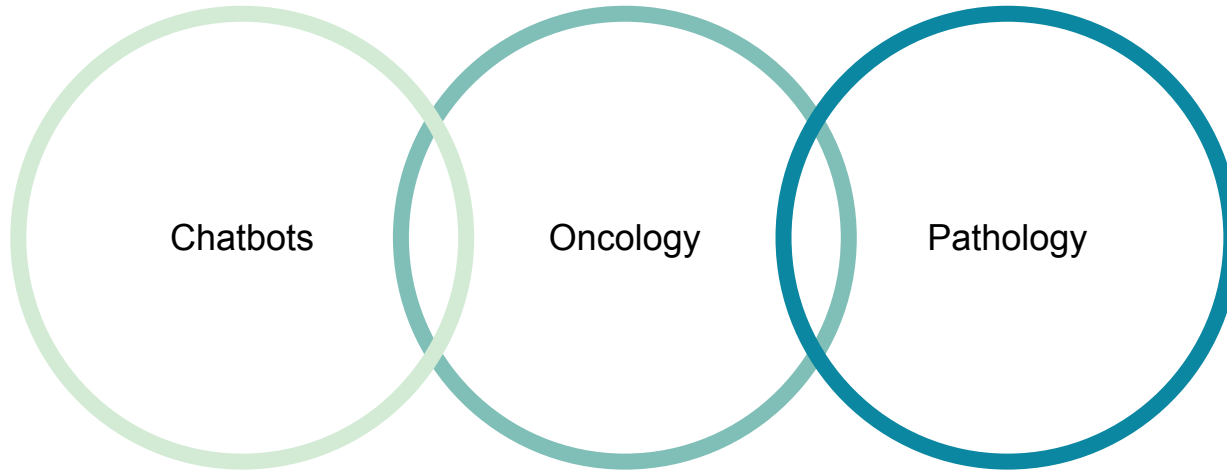




VALUE PROPOSITION

Our solution will give a deep learning platform for pathologists to upload the medical pictures obtained from the various samples. This platform will analyze the image inputs and come up with a potential diagnosing. this could shorten the time to treatment for patients who don't have access to best health care. It also can generate alternate revenue streams for both hospitals and diagnostic centres by handling patients who don't have physical access to the hospital location. This platform will facilitate doctors in screening the patients quickly, reducing the work on the doctors. It may also help doctors diagnose on time; so reducing additional complications arising from late diagnosing.

Current Applications of AI in Medical Diagnostics



CONCLUSION

- ❖ Applications of AI in medical diagnostics are within the early adoption part across multiple specialities with restricted information presently out there on patient outcomes. These applications have the potential to impact however clinicians and health care systems approach diagnostics and also the ability for individuals to know changes to their health in real-time.
- ❖ With projected rapid climb within the medical device sector, firms creating efforts to bring correct and reliable medical diagnostics supported machine and deep learning applications to promote could also be poised to capture a proportion of this profitable market, would seem to recommend that AI stands an opportunity to create a dent within the next wave of medical diagnostic tech.

