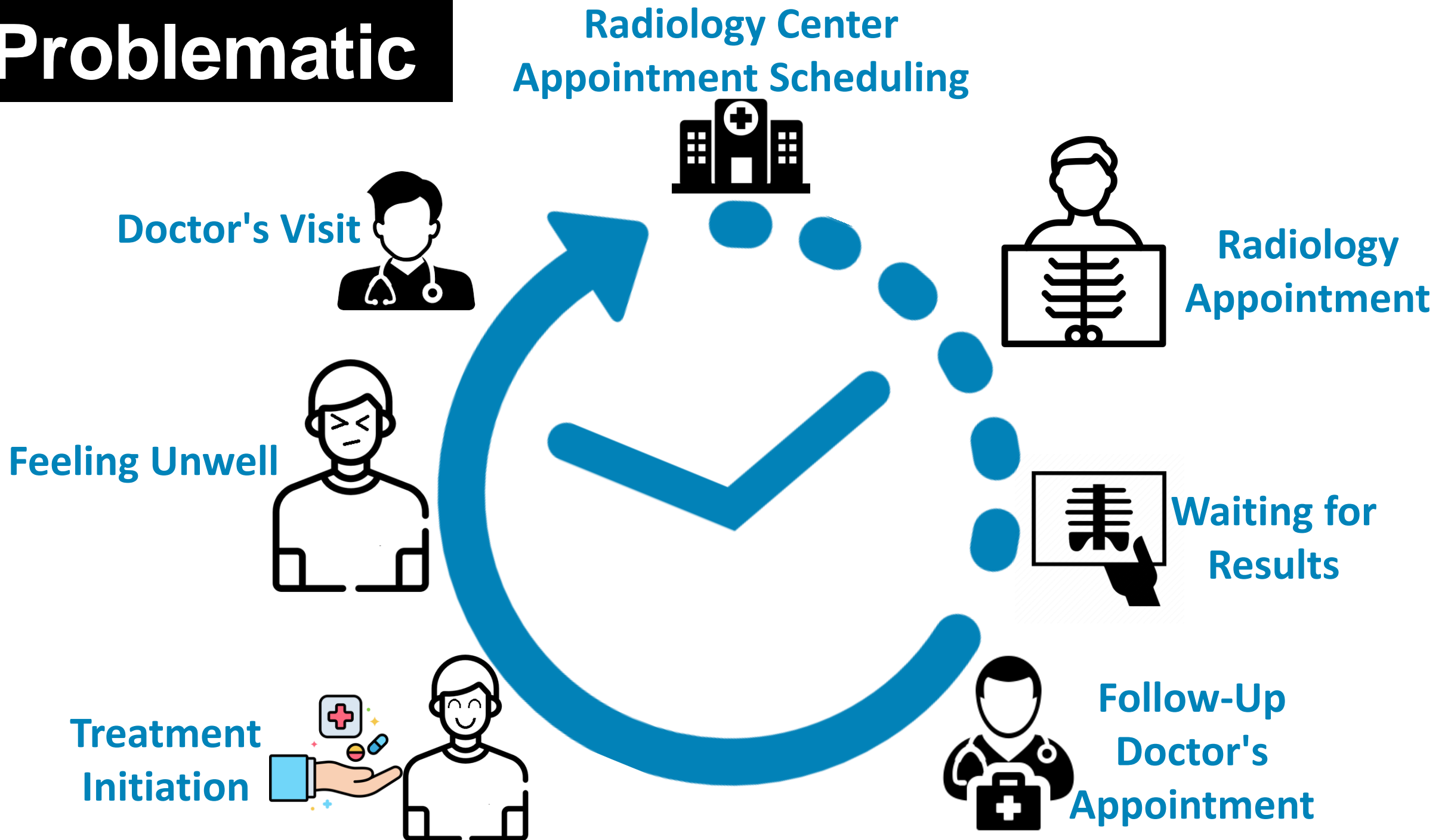


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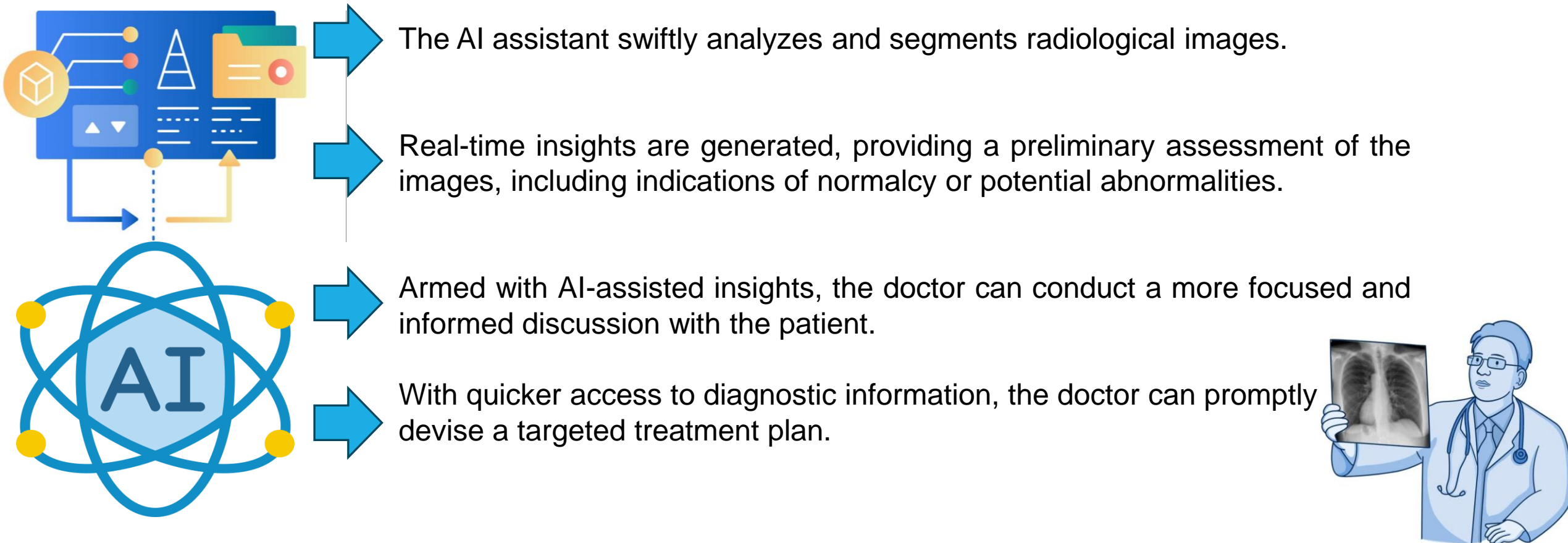
FATIMA-ZAHRAE NAKACH_PHD STUDENT @UM6P

Problematic

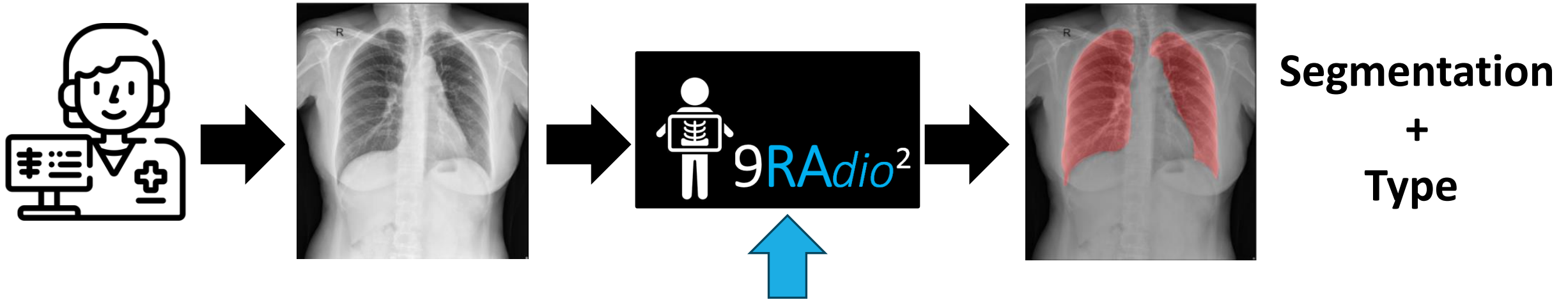


SOLUTION

9RAudio² introduces an AI-assisted radiological diagnosis accelerator, designed to revolutionize the patient journey in medical imaging.



ARCHITECTURE DESIGN

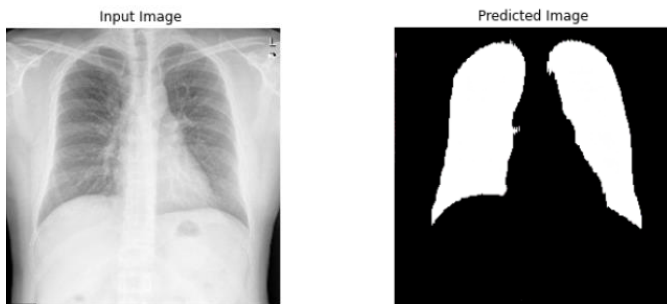


Chest X-rays Database

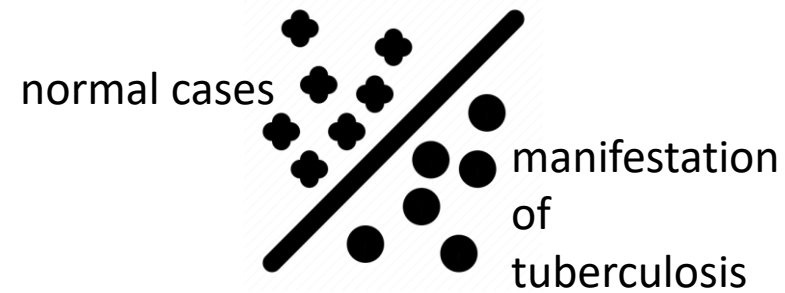


704 total images

1- GenAI (Pix2Pix) fine-tuned for mask generation



2- Visual Transformer for classification of generated mask



3- Web Application for models deployment



Flask



9RAudio²



Time Savings



Improved Healthcare Efficiency



Enhanced Patient Experience



Precision Diagnosis

Future Perspectives:

- Generalize to other radiology medical images.
- Generate medical reports from segmented images (using LLMs).
- Improve interface and model performance.



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