



PROSTER

DOCIGIZE

AUTOMATIC DIGITIZATION OF HAND
WRITTEN BILINGUAL DOCUMENTS
(MEDICAL PRESCRIPTION AS A CASE STUDY)

AN AUTOMATED SOLUTION TO DIGITIZE BILINGUAL HANDWRITTEN
UNSTRUCTURED DOCUMENTS TO EXTRACT MEANINGFUL DATA.

ARCHITECTURE



TIMELINE

SEP - OCT

- INITIAL RESEARCH + LITERATURE REVIEW
- DATA GATHERING / LABELING / ANNOTATION
- TEXT DETECTION TECHNIQUES

JAN - MAR

- COMPLETE WEB APPLICATION
- IMPROVING TEXT EXTRACTION MODULE
- COMPLETE ANDROID APPLICATION
- RESEARCH PAPER WRITING

NOV - DEC

- LITERATURE REVIEW TRAINING TEXT EXTRACTION MODELS
- IMPROVING TEXT DETECTION TECHNIQUES
- CREATING FRONTEND AND BACKEND (INITIAL)

APR - MAY

- FINALIZING RESEARCH PAPER
- TESTING ADDITIONAL TECHNIQUES
- OPTIMIZATION
- DEPLOYING OUR APPLICATION

TOOLS



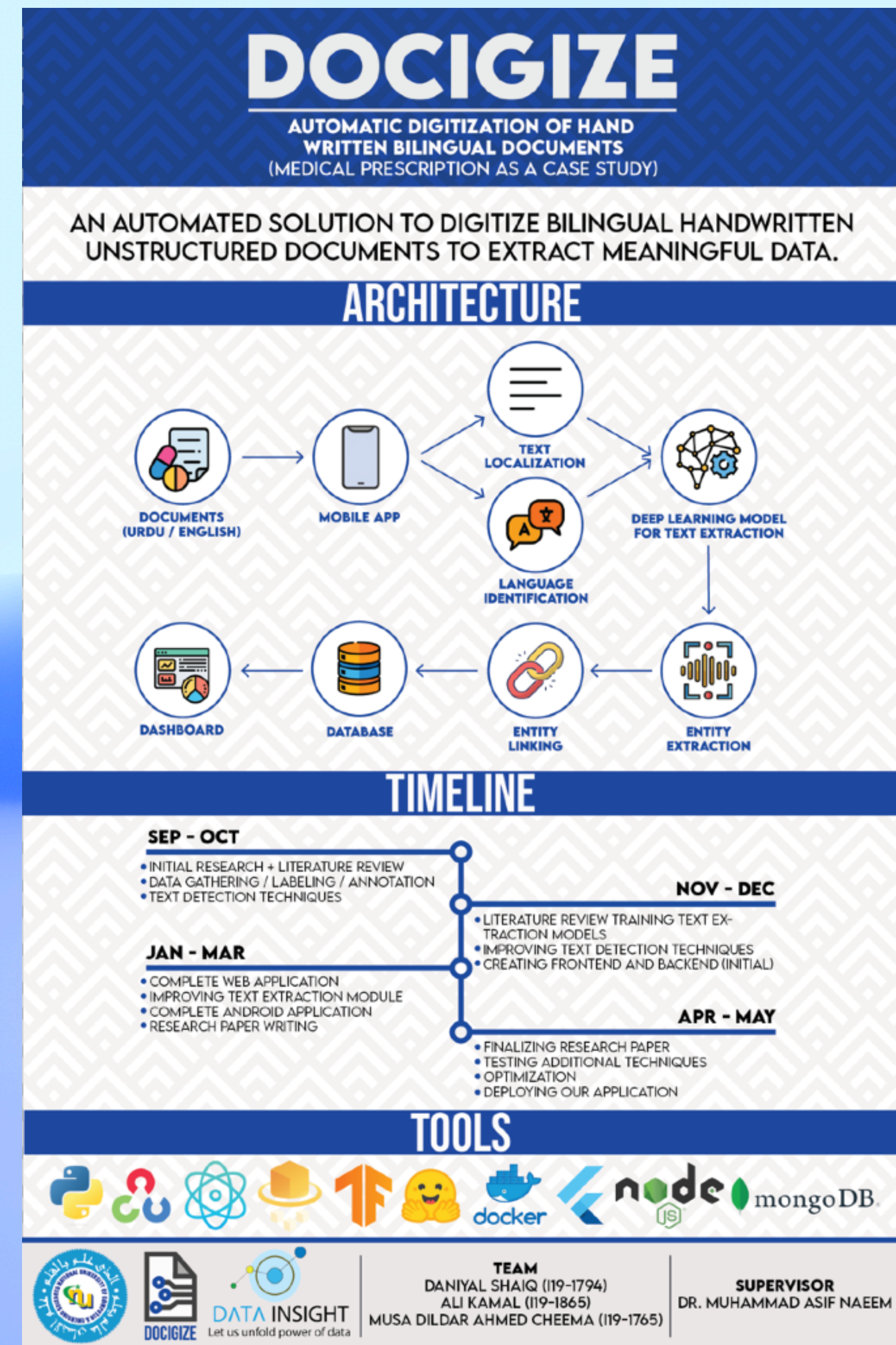
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POSTER



Plan for Iteration 2

Training text
extraction
models

Improving
Text detection
techniques

Android Front
and Backend