

Guide to run the tool Annotator

Annotator (tool is available at: <https://services.iittp.ac.in/annotator>)

- A platform for large scale digital document sub-region annotation and retrieval based on novel concepts of model pooling and workflow microservices

- **Home page(refer to [Figure1](#))**
 - Links to Sign Up ([Figure1\[A\]](#)) and Login ([Figure1\[B\]](#))
 - Rest of the page - some details about the tool
- **Sign Up page(refer to [Figure2](#))**
 - The user first needs to sign up when he uses the tool for the first time
- **Login page(refer to [Figure3](#))**
 - User has to enter their username and password
- **Profile page(refer to [Figure4](#))**
 - Users can observe the annotation status of each document as:
 - Annotate (Link to annotate the document)
 - I'm done (Annotation is completed-ready to mark the completion)
 - Completed (Annotations marked as complete)
- **Annotation page(refer to [Figures 5,6,7,8](#))**
 - Functionalities are provided for the users to annotate the images
 - Firstly the user needs to select the *bounding-box* ([Figure5\[A\]](#)) from the polygon toolbox
 - After selecting the *bounding-box* ([Figure5\[A\]](#)) user needs to draw a polygon around the word/characters he wanted to annotate
 - Then a pop up is displayed with the following functionalities:
 - delete(on click deletes the annotation) – this is depicted in [Figure5\[B\]](#)
 - done(on click saves the annotation) – this is depicted in [Figure5\[B\]](#)
 - Antipattern – When user wants to correct sub-region wrongly predicted by ML Model
 - Annotations done by the user are shown in the box as shown in [Figure5\[C\]](#)
 - As shown in [Figure6](#), the user is provided with an input box ([Figure6\[A\]](#)) through which the user can give the name of the model to be built.
 - If the model is built successfully user can see the response message (shown in [Figure6\[C\]](#))
 - For auto annotating the document, the user can select a pool of models from the model list (displayed in [Figure7\[A\]](#)) and click on the auto annotate button ([Figure7\[B\]](#)) which displays the annotated image on an image canvas (shown in [Figure8](#)). The annotated sub-region is spotted in [Figure8\[A\]](#) and can be referred from [Figure8\[B\]](#)

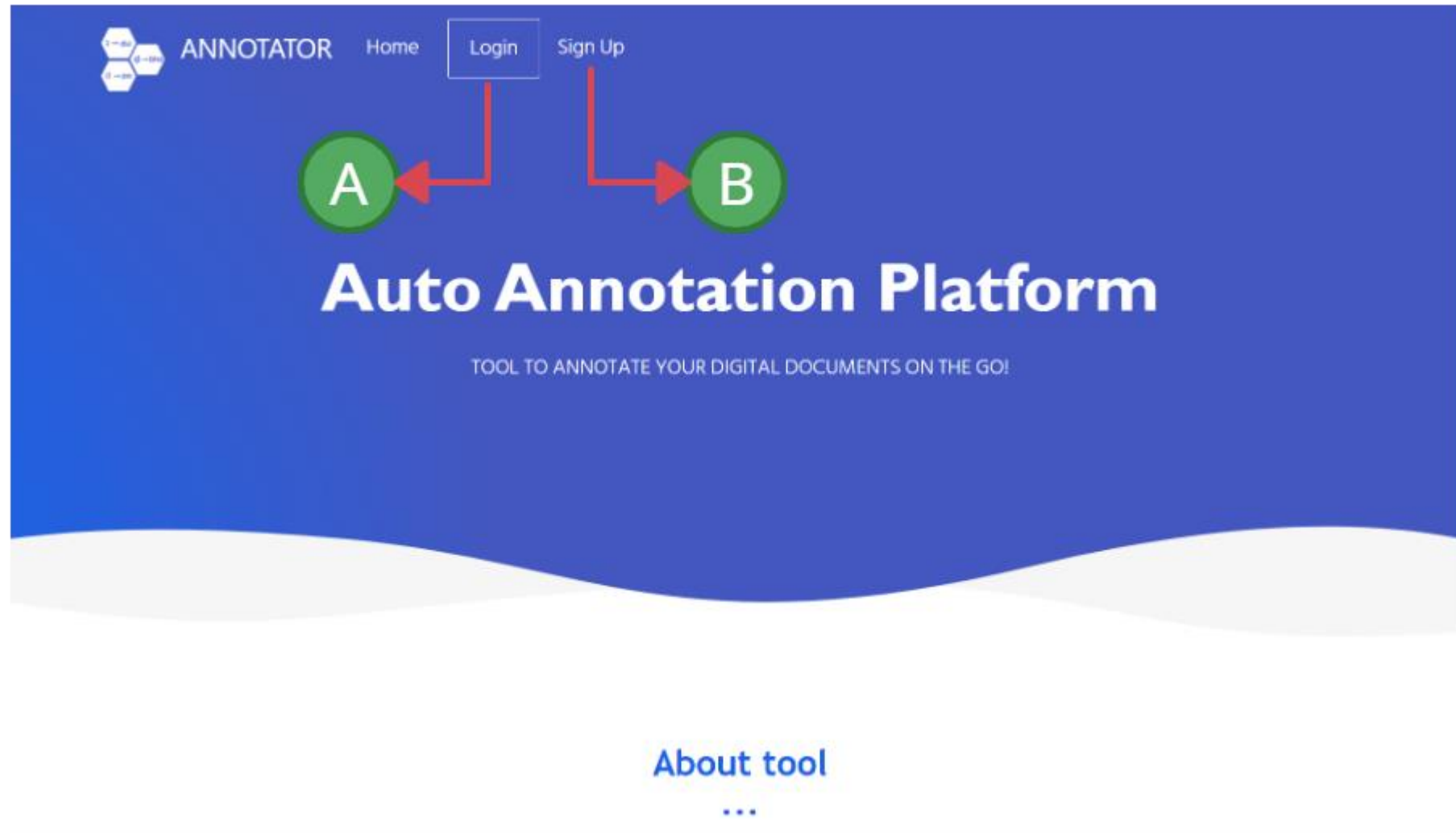


Figure1: Home Page



DIGI`SKETCHES

Auto Annotation Platform for Digital Documents

USERNAME

PASSWORD

SIGNUP

Figure2: Sign Up Page

[Back to first page \(Tool Description\)](#)



DIGI`SKETCHES

Auto Annotation Platform for Digital Documents

USERNAME

PASSWORD

LOGIN

Figure3: Login Page

[Back to first page \(Tool Description\)](#)

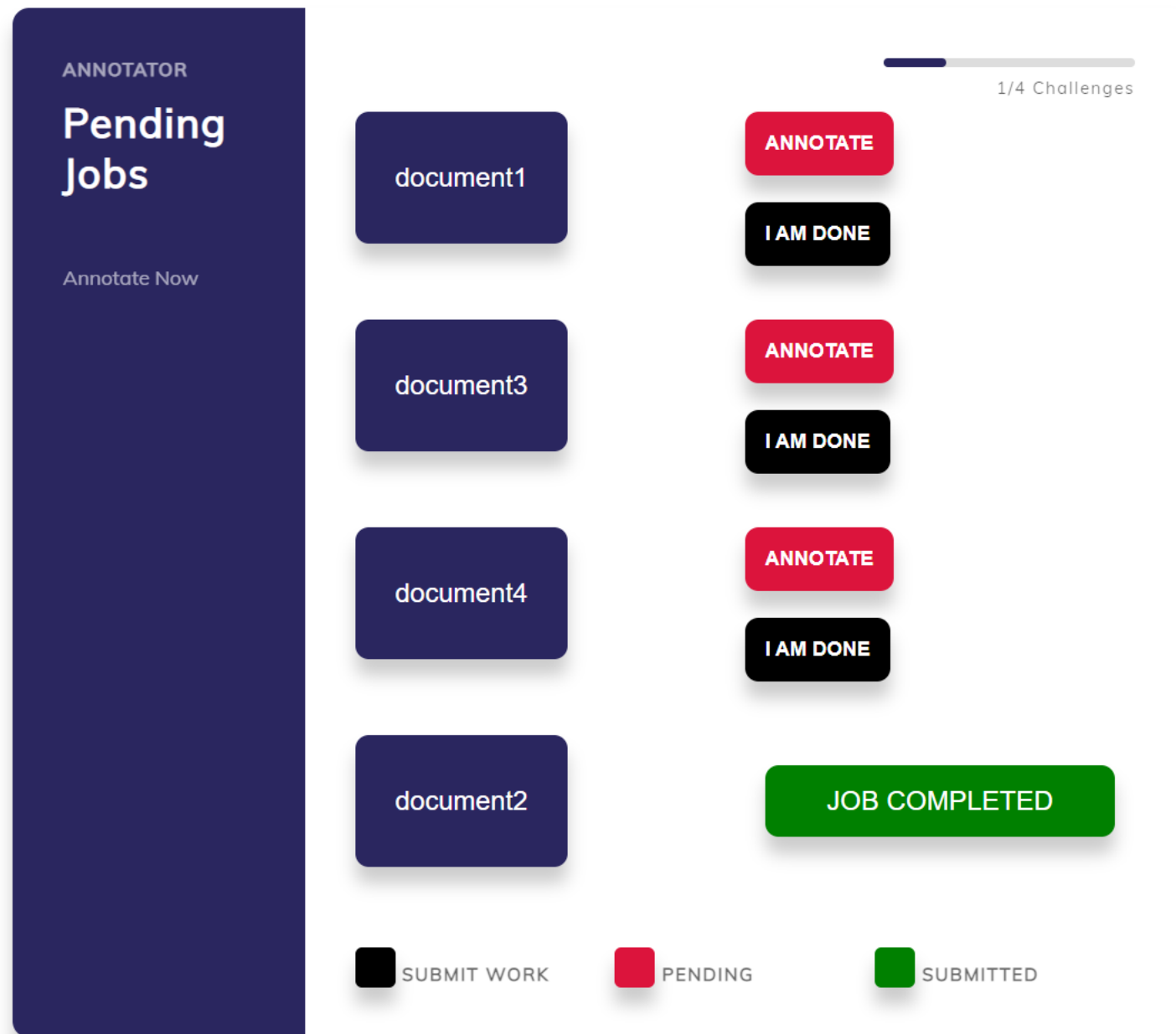


Figure4: Profile Page

[Back to first page \(Tool Description\)](#)

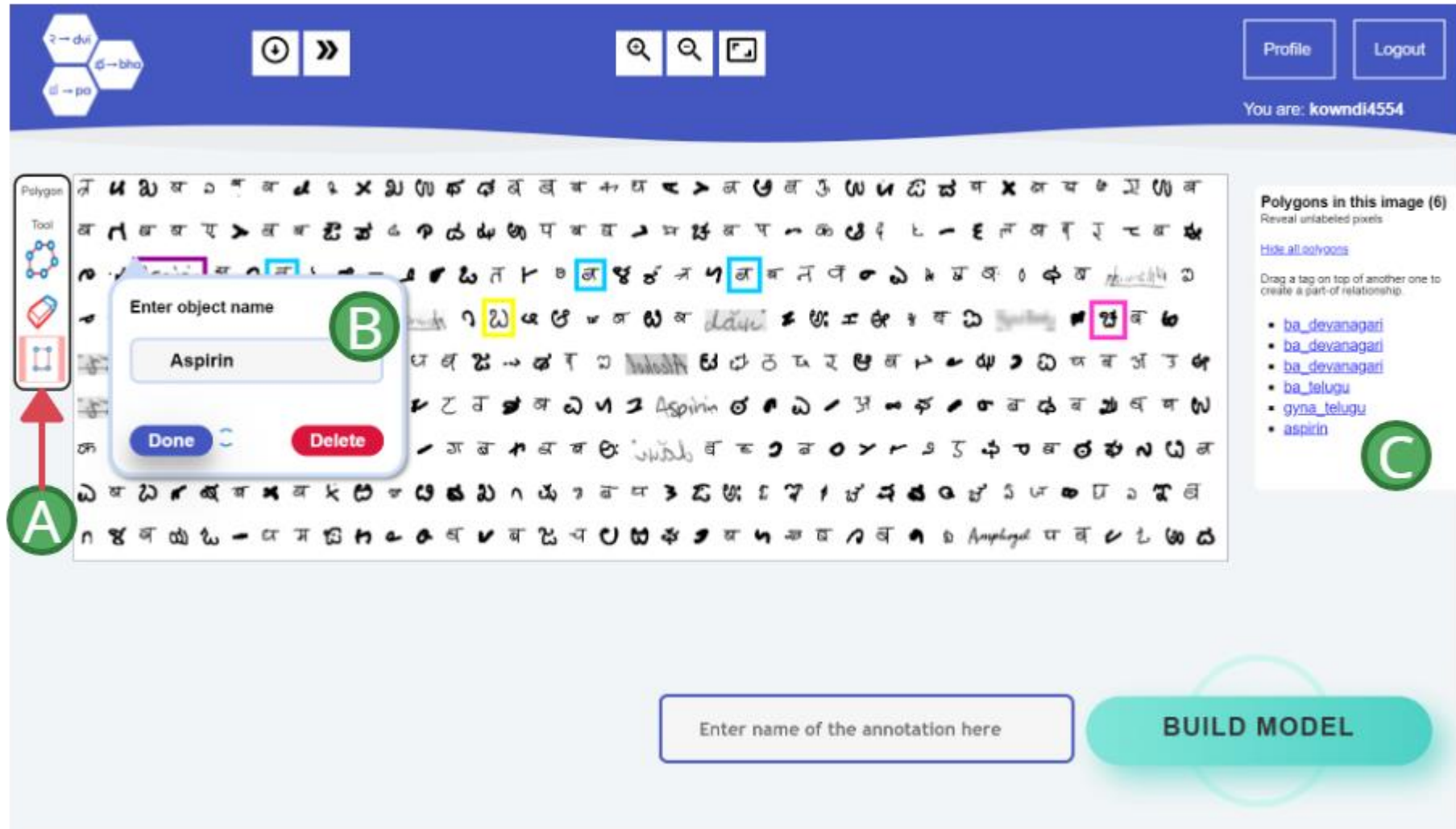


Figure5: Annotating the sub-region "Aspirin"

Figure6: User building a model for the sub-region “Aspirin”

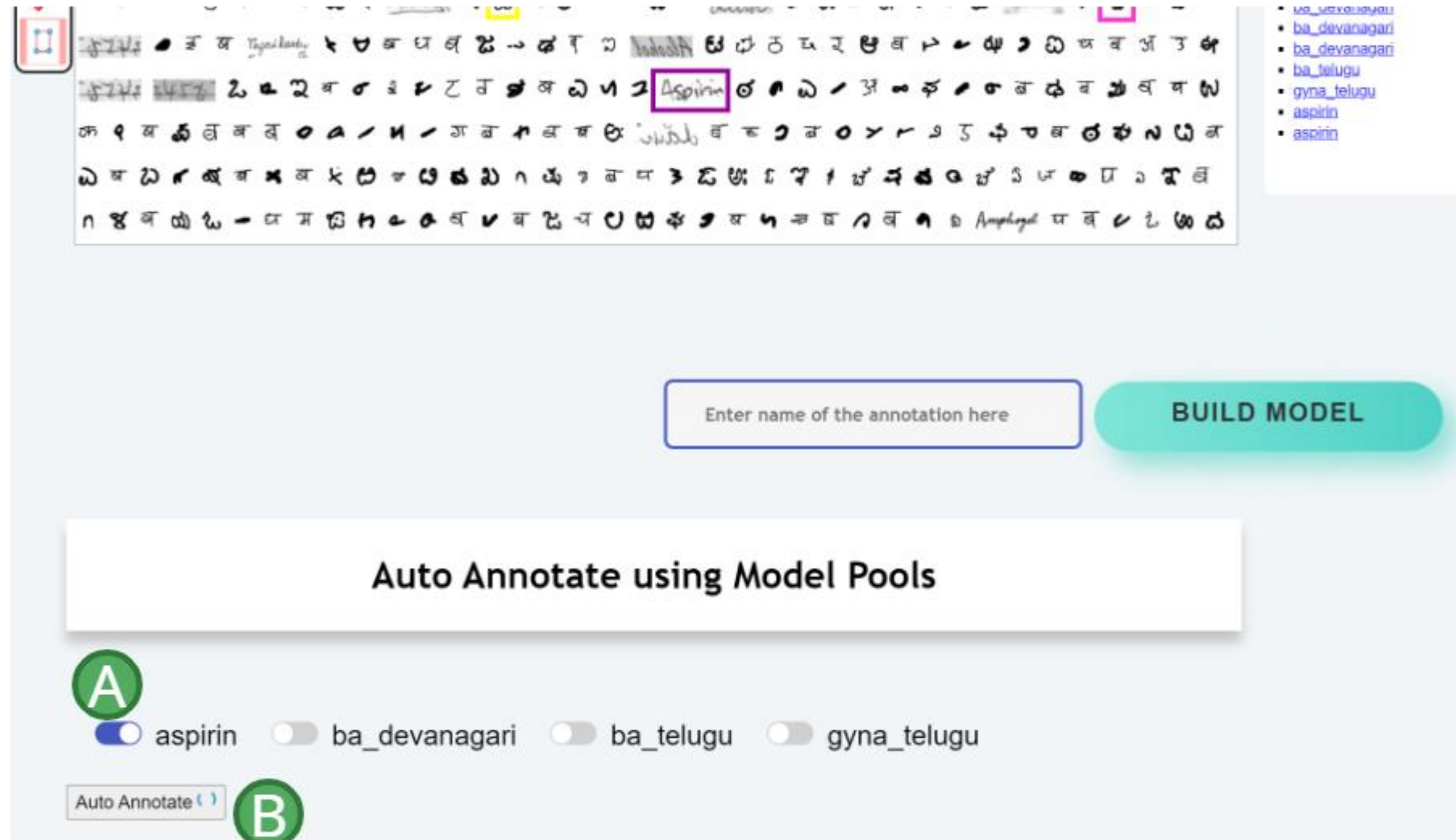


Figure7: Auto-annotating the sub-region “Aspirin”

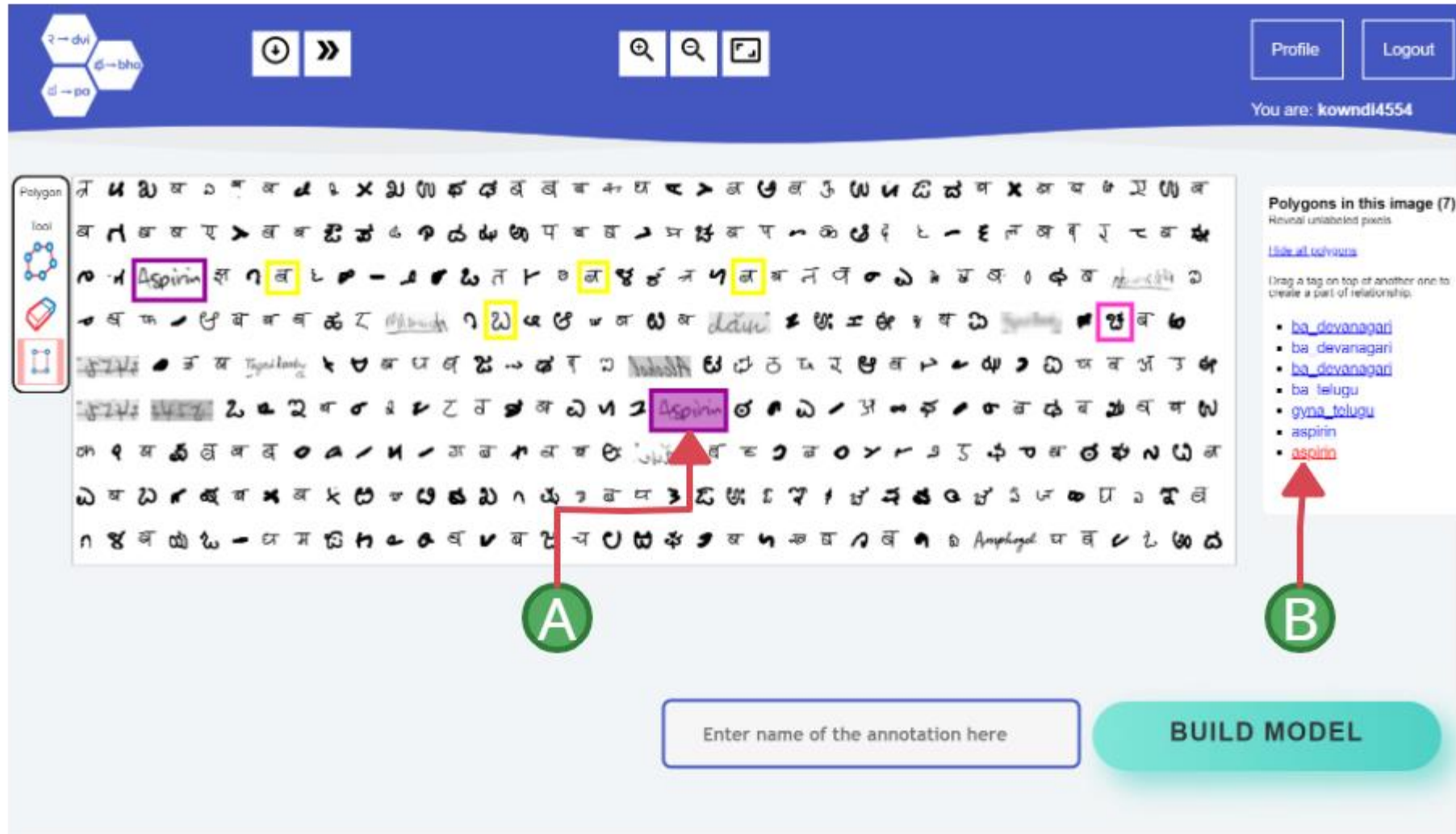


Figure8: Auto-annotation by the Machine learning model
(for the sub-region “Aspirin”)