

Hi, my name is Andrea Filiberto Lucas, and I'm reading for a B.Sc. ICT in AI.

My final year project, titled 'Accurate Name Extraction from News Video Graphics,' automatically extracts people's names from on-screen graphics in news broadcasts. These graphics appear briefly and vary widely in style, and differ across news sources, making them challenging to capture accurately.

I've developed a custom pipeline using optical character recognition and named entity recognition to locate, read, and verify names directly from video frames. I also created a News Graphics Dataset with over 1000 annotated frames collected from local broadcasts, as well as international sources and social media-based news platforms.

A survey I conducted revealed that 60% of participants frequently pause videos just to identify individuals appearing on screen. My system addresses this need by automating the extraction process, making it faster, more reliable, and accessible for media professionals, and the general public alike.

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