**Infographic – 1**

*Ref -* [*https://www.machinelearningplus.com/nlp/text-summarization-approaches-nlp-example/*](https://www.machinelearningplus.com/nlp/text-summarization-approaches-nlp-example/)

**Introduction**

Medical Records 🡪 Text Summarization using NLP 🡪 Medical Records Summary

**Infographic – 2**

<https://www.shaip.com/blog/ocr-definition-benefits-challenges-and-use-cases-infographic/> (Challenges)

**Issues with Summarizing Medical Records**

1. Dealing With Biomedical Text

* Complex tables
* Lexical choices, numbers, and units
* Images, handwritten notes, graphs

1. Identifying Key Information

* Establishing relevancy of content
* Understanding medical and legal context

1. Maintaining Accuracy and Completeness

* Sorting multiple document types
* Inconsistent orientation

**Infographic – 3**

<https://www.analyticsvidhya.com/blog/2019/06/comprehensive-guide-text-summarization-using-deep-learning-python/>

**What Are the Different Types of Text Summarization?**

1. Extractive Summarizer
2. Abstractive Summarizer

**Infographic – 3**

<https://www.shaip.com/blog/ocr-definition-benefits-challenges-and-use-cases-infographic/> (Benefits of Automated OCR Workflows)

**Benefits of OCR in the Legal Field**

1. Simplifies Legal Research
2. Improves Accuracy and Efficiency
3. Streamlines Operations and is Cost-effective.
4. Enables Better Data Accessibility
5. Helps Process Complex Documents

**Infographic - 4**

<https://www.google.com/imgres?imgurl=https%3A%2F%2Fi0.wp.com%2Fpreludesys.com%2Fwp-content%2Fuploads%2F2021%2F12%2FMedical-Record.jpg%3Fresize%3D580%252C409%26ssl%3D1&tbnid=1jFHJzYLhcIj3M&vet=12ahUKEwiaqsPtodT_AhVoLbcAHeGGBCcQMygAegUIARDAAQ..i&imgrefurl=https%3A%2F%2Fpreludesys.com%2Fsummarizing-medical-records-effectively-to-avoid-pitfalls%2F&docid=-3WA0bXhVGWbIM&w=580&h=409&q=Issues%20With%20Summarizing%20Medical%20Records&ved=2ahUKEwiaqsPtodT_AhVoLbcAHeGGBCcQMygAegUIARDAAQ>

Use Cases of Optical Character Recognition in the Legal Sector

1. Search details in legal documents
2. Analyze contracts
3. Make well-informed decisions in medicolegal cases

**Infographic - 5**

## <https://www.itcubebpo.com/medical-record-summary> (How to summarize Records)

**Steps To Summarize Records**

* Secure File Receipt

A secure file transfer system safely delivers sensitive information, such as original documents.

* Analysis & Categorization

NLP analyzes and categorizes medical records. Deep learning and semantic analysis help comprehend the documents' content and structure.

* Sorting & Organizing

NLP organizes key elements like diagnoses, treatments, prognoses, and past medical history coherently and chronologically.

* Indexing

The AI tool indexes the source documents, arranged chronologically by date, either in reverse order or in forward order.

* Hyperlinking

AI facilitates deep research by hyperlinking important texts in the summary to their source documents.

* Records Delivery

The final summary is generated in Word or PDF format. This document is editable, searchable, customized, and user-friendly.