



DEEPINFINITY AI

Deepinfintiy Services



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What We Do

Our Generative AI Proprietary tool scrutinizes patient data and other crucial health attributes to anticipate potential diseases. Our Generative AI models outperform in identifying anomalies within medical imaging. Additionally, our AI Radiology Report Speech-to-Text models revolutionize the field of medical documentation.

AI Radiology Report

Our AI Radiology Report Speech-to-Text technology redefines the landscape of medical documentation. Our AI Radiology Report model is trained with large number of medical records and medical data. Experience unparalleled accuracy in converting physician dictations, patient interviews, and medical discussions into meticulously detailed, textual records, ensuring precision and clarity in every transcription

Doctor Patient Summary

Furthermore, DeepInfinity facilitates the seamless transfer of notes into your Electronic Health Record (EHR) system. It also offers the option to distribute follow-up notes to your patients via your preferred methods of communication.

Detecting lung abnormalities in chest X-rays

Our Generative AI models can identify subtle changes in lung tissue that may be indicative of pneumonia, effusion, or other respiratory conditions.

About

Our AI-powered Radiology Report Speech-to-Text technology redefines the landscape of medical documentation. Our AI Radiology Report model is trained with large number of medical records and medical data. Our Experience unparalleled accuracy in converting physician dictations, patient interviews, and medical discussions into meticulously detailed, textual records, ensuring precision and clarity in every transcription.

We have developed different tools to serve the purpose

- Deepinfinity Desktop Application
- Deepinfinity Web
- Deepinfinity Chrome Extension
- Deepinfinity Word Add-in

In this document we detail the usage of Deepinfinity Desktop Applications

Deepinfinity Doctor Patient Conversation Summary

Deepinfinity Doctor Patient Conversation Summary is an advanced solution designed to streamline the documentation process for healthcare professionals. By leveraging cutting-edge AI technology, it automatically generates accurate summaries of doctor-patient interactions, saving time and improving workflow efficiency.

This API is ideal for healthcare providers, including doctors, nurses, and administrative staff, who need to manage patient records effectively without spending excessive time on manual documentation. It ensures that critical information is captured and organized, enabling better patient care and reducing administrative burdens.

Deepinfinity addresses the common challenges of maintaining detailed and accurate patient records while minimizing the risk of errors. With its AI-driven capabilities, it empowers medical professionals to focus on delivering quality care rather than being bogged down by paperwork.

How to Consume the Doctor Patient Conversation Summary API?

Upon subscription, an authentication key will be provided to access the API.

In the API payload send the doctor patient conversation text as an input (along with the other required authentication values) and in the response get the detailed summary of the conversation in JSON format. Use the JSON to display, store as per your EMR requirement.

Step 1: Obtain Access Token

Endpoint: POST /auth/token

Headers:

- api_secret: <API Secret>
- Ocp-Apim-Subscription-Key: <Subscription Key>

Response:

```
{
  "status": "success",
  "data": {
    "accessToken": "<access token>",
    "refreshToken": "<refresh token>"
  }
}
```

Error Response:**401 Unauthorized****401 access denied**

```
{  
  "statusCode": 401,  
  "message": "Access denied due to missing subscription key. Make sure to include subscription  
key when making requests to an API."  
}
```

Step 2: Use Access Token

Include the access token in the Authorization header for all subsequent requests.

Get Doctor Patient Conversation Summary

Endpoint: POST /conversationSummary

Headers:

- Authorization: Bearer <access_token>
- Ocp-Apim-Subscription-Key: <Subscription Key>

Body

```
{  
  "conversation": "<Conversation Text>"  
}
```

Response:

```
{  
  "status": "success",  
  "data": {  
    "conversation": "< Conversation Text>",  
    "summary": {},  
    "type": "JSON"  
  }  
}
```

Example:**Request Payload:**

```
{"conversation": "Good morning, Mr. Ravi. What brings you in today? Good morning, doctor. I've been having chest pain for the past two weeks. Can you describe the pain? Where exactly do you feel it, and does it spread anywhere? It's a dull pain in the middle of my chest. It doesn't really spread, but it gets worse when I walk fast or climb stairs. I see. How long does the pain usually last, and what helps relieve it? It comes on during exertion and lasts a few minutes. If I rest, it goes away. Any other symptoms like sweating, nausea, or dizziness when this happens? No, none of those. Just the chest pain. Alright. Do you have any medical conditions such as high blood pressure, diabetes, or heart problems? I have high blood pressure for 5 years. I take amlodipine every day. No diabetes, though. And your family history? Any heart issues? Yes, my father had a heart attack at 52. My mother also has high blood pressure. Thank you. Do you smoke or drink alcohol? I don't smoke. I drink occasionally on weekends. Understood. Given your symptoms and history, I'd like to run some tests such as an ECG and blood work to rule out heart-related issues. In the meantime, please avoid strenuous activities until we confirm what's going on. Okay, doctor. Thank you."}
```

Response:

```
{
  "status": "success",
  "data": {
    "conversation": "Good morning, Mr. Ravi. What brings you in today? Good morning, doctor. I've been having chest pain for the past two weeks. Can you describe the pain? Where exactly do you feel it, and does it spread anywhere? It's a dull pain in the middle of my chest. It doesn't really spread, but it gets worse when I walk fast or climb stairs. I see. How long does the pain usually last, and what helps relieve it? It comes on during exertion and lasts a few minutes. If I rest, it goes away. Any other symptoms like sweating, nausea, or dizziness when this happens? No, none of those. Just the chest pain. Alright. Do you have any medical conditions such as high blood pressure, diabetes, or heart problems? I have high blood pressure for 5 years. I take amlodipine every day. No diabetes, though. And your family history? Any heart issues? Yes, my father had a heart attack at 52. My mother also has high blood pressure. Thank you. Do you smoke or drink alcohol? I don't smoke. I drink occasionally on weekends. Understood. Given your symptoms and history, I'd like to run some tests such as an ECG and blood work to rule out heart-related issues. In the meantime, please avoid strenuous activities until we confirm what's going on. Okay, doctor. Thank you.",
    "summary": {
      "patient_demographics": {
        "age": null,
        "gender": "male"
      }
    }
  }
}
```

```
},
"chief_complaint": [
  "chest pain for the past two weeks"
],
"allergies": [],
"vitals": {
  "ht": null,
  "wt": null,
  "t": null,
  "bmi": null,
  "bsa": null
},
"history": [
  "dull pain in the middle of chest",
  "pain worsens with exertion (walking fast, climbing stairs)",
  "pain lasts a few minutes",
  "pain relieved by rest",
  "no associated sweating, nausea, or dizziness",
  "high blood pressure for 5 years"
],
"previous_treatment": [
  "taking amlodipine daily for high blood pressure"
],
"examination": [],
"provisional_diagnosis": [],
"final_diagnosis": {
  "icD_Diagnosis": null
},
"plan_of_care": [
```



```
"ECG",
"Blood work",
"Avoid strenuous activities"
],
"prescription": [],
"social_history": {
  "smoking": "Non-smoker",
  "alcohol": "Occasional on weekends",
  "drug_use": null,
  "occupation": null,
  "living_situation": null
}
},
"type": "JSON"
}
}
```

Other Tools

We offer a suite of tools designed to simplify and enhance radiology reporting:

1. Chrome Plugin : DeepInfinity Radiology Report:

Seamlessly integrates with your browser for quick access to reporting features directly within your workflow.

[DeepInfinity Radiology Report Chrome Plugin](#)

2. DeepInfinity Web App: A user-friendly application for on-the-go reporting, accessible anytime, anywhere.

For DeepInfinity Web APP Installation Link: Contact Us:

[Chat with us on: +44 7359359232 \(Click Here\)](#)

[Chat with us on: +91 8639451478 \(Click Here\)](#)

3. Web UI: A comprehensive web-based interface providing advanced functionalities and collaboration tools.

[DeepInfinity Web UI for Radiology Reporting](#)

4. Word Plugin: Effortlessly integrates with Microsoft Word for streamlined report creation and formatting.

[DeepInfinity Word Plugin for Radiology Reporting](#)

Contact Us

Contact us for any queries:

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Email: contact@deepinfinity.ai

FAQ: <https://deepinfinity.ai/faq.php>