

MDi



WHAT IS TASHKEEL ?

Tashkeel is an advanced automatic Arabic diacritization system that is able to process up to hundreds of Arabic words per second.

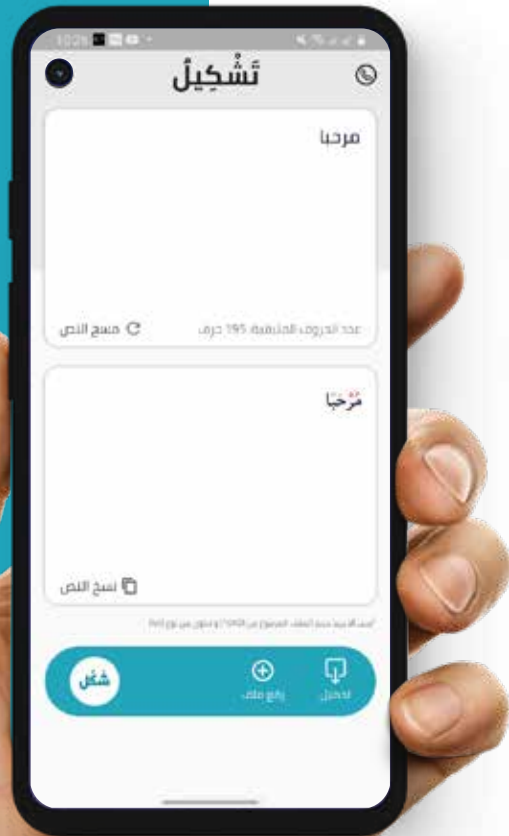
Diacritics (or Harakat in Arabic) are the short vowel marks of the Arabic language. They play an essential role in the interpretation of Arabic and its readability. Without diacritics, words can have multiple meanings, and the text can become ambiguous to the reader both in terms of pronunciation or contextual understanding.

Tashkeel is a tool that enables users to add the diacritics to Modern Standard Arabic and Classical Arabic text.

Using advanced deep learning algorithms, the engine is guaranteed to provide you with high accuracy output.



Why TASHKEEL



Quick & Easy



Accurate



Smart



Various Applications



User Preferences



Customizable

Features



Quick & Easy

Tashkeel can diacritize up to hundreds of words per second through its simple, user-friendly interface.



Smart

Tashkeel can diacritize Latin words written in Arabic letters, as well as newly formed Arabic words, with high accuracy based on its morphological and syntactic diacritization approach. Tashkeel can recognize non-Arabic characters and maintain their context, through the application's preprocessing module.



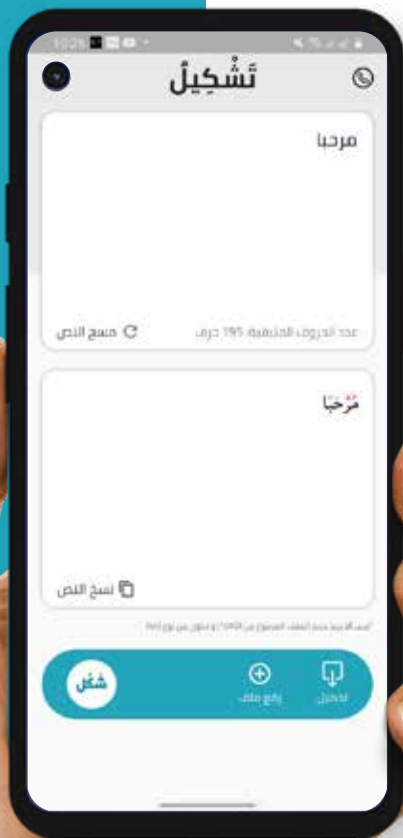
Accurate

Tashkeel has approximately 99% accuracy at the character level in modern Arabic texts (95% at the word level), while the accuracy reaches 98% at the character level of classical Arabic texts (91% at the word level). The most advanced deep learning algorithms are used for Tashkeel's diacritization engine. Tashkeel supports morphological and syntactic diacritization.



Various Applications

Tashkeel's accurate output text can be easily scaled to improve the performance of other key systems such as more accurate speech recognition, automated translations, text to speech applications, and search engines.



User Preferences

Ability to edit partially diacritized text with the option to keep or discard input diacritics.



Customizable

Tashkeel can be easily adapted to support more input/output formats based on customer's needs.

What makes Tashkeel different?

Tailored for Arabic

Tashkeel contains a set of models that are designed to serve Arabic language specifically, outperforming other general-model language recognition tools.

Highly Scalable

Tashkeel can be adapted easily to generate different custom models that fit new domains with a guaranteed high diacritization accuracy.

Your Privacy Matters

Tashkeel respects the user's privacy. Your data and input/output files are never shared with third parties.

Customer Support

RDI provides its customers with a full customer support service. Whether you need to set up the solution environment at your side, or train your employees to use Tashkeel, we are happy to help.





Supported Arabic Domains (where we can guarantee high accuracy)

- Modern Standard Arabic (News domain)
- Classical Arabic (Historical Domain)

Live Demos

- Website: www.rdi-tashkeel.com
- Mobile App: <https://play.google.com/store/apps/details?id=com.Tashkeel>

Get Tashkeel As



On-premise Software Development Kit (SDK)

Tashkeel is available as an offline SDK.

Your business can use Tashkeel on premises ensuring that your data is not accessed by any third-party or through the Internet.

Tashkeel SDK has an annual license per machine and per usage pages.

Tashkeel SDK is available as follows:

- For Windows 10 with C# interface
- For Ubuntu with Python interface

Get Tashkeel As



On-premise Application Programming Interface (API)

Tashkeel is available as an offline API.

Your business can use Tashkeel on premises ensuring that your data is not accessed by any third-party or through the Internet.

Tashkeel API has an annual license per machine and per usage hours.

Tashkeel API is available as follows:

- For Windows 10 with RESTful API
- For Ubuntu with RESTful API

Get Tashkeel As



Online Application Programming Interface (API)

Tashkeel is available as an API that developers can access from anywhere using any programming language.

The API is available as a RESTful API and can be easily integrated in different websites and applications.

Developers can choose from many pricing plans based on their needs.

Online Service (End-user web-portal)

Tashkeel is available as a web-portal where end users can convert their own text content into vowelized text outputs. Users can use this portal through a user-friendly UI that provides a quick and easy experience.

Get Tashkeel As



Mobile Application (End-user application)

Tashkeel is available as a mobile application (Android/iOS). Users who need to convert their own text content into vowelized text outputs on their mobile phones or tablets.

Customized Solutions

RDI can fully build customized solutions that use Tashkeel as the core engine based on customers' needs and requirements. The engine can be easily adapted to fit the domain and the environment of customers' data.

RDI can process your data for you - Outsourcing

Do you have a huge amount of text data to process? RDI can process your text inside its labs using Tashkeel offline services. RDI can also tailor the diacritization engine to fit the type of data specifically.

Pricing Models

We offer multiple and flexible pricing models based on the customers' needs.
Basic pricing plans:



SDK

Annual license per machine and per usage



API & ONLINE-SERVICE

Monthly license per usage



ADAPTATION

Based on domain & environment as well as the amount of data to be used for adaptation to guarantee customers' needs.

Future Work



More Arabic Domains



More Input & Output Formats
(especially .doc & .docx files)



Desktop application for personal usage



English version of the application



Open source application

Thanks



+ 2 0237499463



+ 2 0237499561



+2 0237495566



rdi-eg.ai



info@rdi-eg.ai



12 A, Haroun St., Dokki, Giza, Egypt

