|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Sphinx 4 | PocketSphinx | OpenEars | Google Speech API | Android/IOS Native |
| FEATURES |  |  |  |  |  |
| Initial High Accuracy |  |  |  | ✓ | ✓ |
| Easy Integration on BackEnd Server | ✓ | ✓ |  | ✓ |  |
| Easy Integration with JavaScript |  | ✓ |  | ✓ |  |
| High Speed | ✓ | ✓ | ✓ | ✓ | ✓ |
| Customizable Libraries and Models | ✓ | ✓ |  |  |  |
| Works Offline | ✓ | ✓ | ✓ |  |  |
| Cloud Based Solution |  |  |  | ✓ | ✓ |
| Independent of Network Lag | ✓ | ✓ | ✓ |  |  |
| In Build Noise Cancellation |  |  |  | ✓ | ✓ |
| Context Aware Recognition |  |  |  | ✓ |  |
| Free Development Library | ✓ | ✓ | ✓ | ✓ | ✓ |
| Unlimited hours of free speech recognition | ✓ | ✓ | ✓ |  |  |
| Support for Continuous Recognition | ✓ | ✓ | ✓ | ✓ | ✓ |
| API Support for Windows/Linux/Mac | ✓ | ✓ |  | ✓ |  |
| API Support for Android | ✓ |  |  | ✓ | ✓ |
| API Support for IOS | ✓ |  | ✓ | ✓ | ✓ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Apache OpenNLP | Stanford CoreNLP | API.AI & NL cloud | WIT.AI |
| FEATURES | ✓ | ✓ | ✓ |  |
| Capture base form of words | ✓ | ✓ | ✓ |  |
| POS tagging | ✓ | ✓ | ✓ |  |
| Syntactic Markup | ✓ | ✓ | ✓ |  |
| Accurate Named Entity recognition |  | ✓ | ✓ | ✓ |
| Benchmark in Offline NLP analysis |  | ✓ |  |  |
| High Performance | ✓ | ✓ | ✓ | ✓ |
| High Accuracy |  | ✓ | ✓ | ✓ |
| NLP training possible | ✓ | ✓ | ✓ | ✓ |
| Easy to use interface for training |  |  | ✓ | ✓ |
| Works Offline | ✓ | ✓ |  |  |
| Support for multiple languages | ✓ | ✓ | ✓ | ✓ |
| Easy Java Integration | ✓ | ✓ | ✓ | ✓ |
| Ability to run as Web Service | ✓ | ✓ | ✓ | ✓ |
| Open Source | ✓ | ✓ |  |  |
| In Built ML Algorithms |  |  | ✓ | ✓ |
| In Built Logic for Entities and Action capturing |  |  | ✓ | ✓ |
| Knowledge Included |  |  | ✓ | ✓ |
| Inbuilt integration with Alexa, Cortana etc |  |  | ✓ | ✓ |
| Independent of Network Lag | ✓ | ✓ |  |  |
| Cloud Based Solution |  |  | ✓ | ✓ |
| Free for Heavy Usage | ✓ | ✓ |  |  |