

Author Biography

Anil Kumar Singh

Anil Kumar Singh is working towards PhD in Computational Linguistics at Language Technology Research Centre (LTRC), IIT, Hyderabad, India. His research interests are in dealing with temporal information in NL, statistical NLP, corpus linguistics and NL engineering. He has worked on problems like sentence alignment, language and encoding identification, computational handling of temporal and TAM (tense, aspect and modality) information in language, number expression translation, speech recognition, natural language interfaces, and font/encoding conversion. He is also involved in the development of linguistic resources at LTRC for Indian languages.

Apart from (and also as part of) his research work, he spends significant amount of his time on building open source digital tools for linguistics and NLP. All these tools are integrated under one system, which is gradually becoming a kind of small platform for linguistics and NLP research, especially for Indian languages. This system consists of tools for various kinds of annotation, corpus and dictionary compilation, sentence alignment, language and encoding identification, n-gram modelling, implementations of some other algorithms useful for NLP, find/replace/extract tool (using regular expressions), file splitter, tree and table components, viewer for parse/dependency tree or 'trie', a Unicode based text editor specialized for working with Indian languages, APIs and GUI based tools for several routine NLP tasks like reading, viewing and editing language resources. Some other tools have been partially implemented.