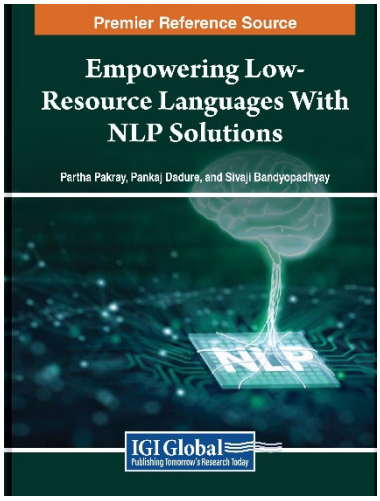
Empowering Low-Resource Languages With NLP Solutions



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Description:

In our increasingly interconnected world, low-resource languages face the threat of oblivion. These linguistic gems, often spoken by marginalized communities, are at risk of fading away due to limited data and resources. The neglect of these languages not only erodes cultural diversity but also hinders effective communication, education, and social inclusion. Academics, practitioners, and policymakers grapple with the urgent need for a comprehensive solution to **preserve and empower these vulnerable languages.**

Empowering Low-Resource Languages With NLP Solutions is a pioneering book that stands as the definitive answer to the pressing problem at hand. It tackles head-on the challenges that low-resource languages face in the realm of Natural Language Processing (NLP). Through real-world case studies, expert insights, and a comprehensive array of topics, this book equips its readers—academics, researchers, practitioners, and policymakers—with the tools, strategies, and ethical considerations needed to address the crisis facing low-resource languages.

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Hardcover: $300 **Softcover:** $225 **E-Book:** $300 **Hardcover + E-Book:** $360

Topics Covered:

- Code-Switching
- Entity Linking for Low-Resource Languages
- Evaluation and Benchmarking for Natural Language Processing
- Future Directions and Challenges in Natural Language Processing
- Information Retrieval
- Language Identification
- Language Resource Acquisition
- Low-Resource Languages
- Machine Translation
- Morphological Analysis
- Morpho-Syntactic Processing
- Multimodal Natural Language Processing
- Named Entity Recognition
- Natural Language Processing Applications
- Part-of-Speech Tagging and Syntactic Parsing
- Sentiment Analysis and Opinion Mining
- Speech and Audio Processing
- Text Summarization

Subject: Computer Science and Information Technology
Readership Level: Advanced-Academic Level (Research Recommended)

Classification: Edited Reference
Research Suitable For: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

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