

Multilingual Text Summarization Using NLP

Mr. Pranav P. Charate, Mr. Shivprasad R. Patil, Mr. Aniket B. Pujari,

Mr. Rohan S. Dhere, Mr. Chaitanya B. Pednekar

Department of Computer Science & Engineering

KIT's College of Engineering, Kolhapur, India

pranav07charate@gmail.com, shivprasadpatil2209@gmail.com, ankitpujari842@gmail.com

rohandhere44@gmail.com, pednekar.chaitanya@kitcoek.in

Abstract: *In today's information age, the volume of textual data is growing exponentially across various domains, including news, research, and social media. To address the challenge of handling and understanding extensive volumes of text, this project focuses on developing an NLP-based automated text summarization system that efficiently generates concise and accurate summaries. The system supports multiple languages, specifically Hindi, English, and Marathi, ensuring key information is preserved while significantly reducing the overall length and redundancy of the content. To ensure scalability and efficiency, the system is designed to be deployed on cloud infrastructure, leveraging the power of services like AWS or Azure. A simple and intuitive web interface, developed with modern web technologies, enables users to enter text and obtain summaries in their desired language seamlessly*

Keywords: Text Summarization, NLP, Pegasus Model, Indic BART, Multilingual

