6ᵗʰ International Congress on AI and Machine Learning

November 27, 2025 | Webinar

Cloud file optimizer

Shrinivasa

NMAM Institute of Technology, India

Uncontrollable growth of data storage requirements makes cloud environments home to ubiquitous and costly redundant files. The 'Cloud File Optimizer' project suggests a solution to this problem – file de-duplication using SHA256 checksum. This helps in eliminating the superfluous copies of files whose contents are identical to other files in the system and keeps only one as a result reducing storage space utilization and making efficient use of available resources. The users are able to upload, delete and fetch files in a seamless manner while the system manages the file pointers so that the data remains intact. Enhancing file storage for this project improves efficiency and cuts down the costs incurred by service providers in the cloud. Offering an indented and managed scaling for bigger environments.

Biography

Shrinivasa is a dedicated faculty member in the Department of Computer and Communication Engineering at NITTE (Deemed to be University), NMAM Institute of Technology, Nitte, Karkala, India. With strong academic and technical expertise, he is committed to advancing research and innovation in emerging technologies. His areas of interest include computer networks, communication systems, and digital technologies. Mr. Shrinivasa actively contributes to academic development through teaching, mentoring students, and guiding research projects