

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202511106795 A

(19) INDIA

(22) Date of filing of Application :04/11/2025

(43) Publication Date : 26/12/2025

(54) Title of the invention : A SECURE PLATFORM FOR CLOUD-BASED PERSONAL DATA STORAGE

(51) International classification	:B60K 37/00, B60Q 3/10, H04L 47/34, G06F 21/57, B60K 37/20	(71) Name of Applicant : 1)NOIDA INSTITUTE OF ENGINEERING & TECHNOLOGY Address of Applicant :19, Knowledge Park-II, Institutional Area, Greater Noida – 201306, Uttar Pradesh, India. Uttar Pradesh India
(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)JYOTI RANI
(33) Name of priority country	:NA	2)SAURABH NAMDEV
(86) International Application No	:	
Filing Date	:01/01/1900	
(87) International Publication No	: NA	
(61) Patent of Addition to Application Number	:NA	
Filing Date	:NA	
(62) Divisional to Application Number	:NA	
Filing Date	:NA	

(57) Abstract :

The invention discloses a secure platform (100) for cloud-based personal data storage integrating encryption module (110), biometric authentication unit (120), blockchain-enabled audit trail module (130), distributed storage framework (140), and user control dashboard (150). The platform ensures confidentiality, integrity, and availability of personal data through hybrid encryption, redundant storage, and immutable audit logs. Biometric authentication with multi-factor verification prevents unauthorized access, while user dashboards empower individuals with real-time monitoring and permission control. The system provides a regulatory-compliant, scalable, and transparent solution for secure personal data storage.

No. of Pages : 15 No. of Claims : 6