

Digital Signature Based on Cryptography Implementing in Java

Mrs. P. S. Bihade¹, Miss. Anjali Pawale², Miss. Pratima Rathod³, Miss. Neha Ghongade⁴
Department of Computer Engineering^{1,2,3,4}

Gramin College of Engineering, Vishnupuri, Nanded, Maharashtra, India

Abstract: *The digital signature in Java utilizes cryptographic techniques to create a unique hash of a message, which is then encrypted using a private key. This encrypted hash, along with the original message, forms the digital signature. Verification involves decrypting the signature with the corresponding public key, confirming the integrity and origin of the message.*

Keywords: Include at least 4 keywords or phrases

REFERENCES

- [1]. <https://www.javatpoint.com/java-digital-signature>
- [2]. <https://www.geeksforgeeks.org/java-implementation-of-digital-signatures-in-cryptography/>
- [3]. https://www.tutorialspoint.com/java_cryptography/java_cryptography_creating_signature.htm
- [4]. <https://chat.openai.com/share/56148be9-d0e4-45f6-bb5e-bf4a2257b2cf>
- [5]. https://youtube.com/playlist?list=PLSM8fkP9ppPpJqvgL51isB5_0CDAlnrx2&si=4v_rbNi_BVJu6zx5
- [6]. <https://youtu.be/iwMwfVuUiU8?si=VpB22mdaOn-IQQJY>
- [7]. <https://youtu.be/-bCoymc4420?si=SqioMM78-GdOwmyg>
- [8]. <https://www.informit.com/articles/article.aspx?p=170967&seqNum=7>
- [9]. <https://www.veracode.com/blog/research/digital-signatures-using-java>
- [10]. <https://youtu.be/ceM8usRfNZw?si=TT9-iVACWajs3hqp>
- [11]. <https://www.geeksforgeeks.org/java-implementation-of-digital-signatures-in-cryptography/>