Building a digital signature application using the RSA algorithm

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Abstract: This topic focuses on building a digital signature application system based on the RSA algorithm, aiming to ensure safety and reliability in computer communication. The context for choosing this topic stems from the high demand for securing personal information and corporate data. The objective of the research is to develop a digital signature system capable of generating secure digital certificates, adhering to international standards. The research method combines RSA theory with application deployment techniques. The expected outcome of the topic is not only to provide an effective security solution but also to contribute to the field of cybersecurity research in general.

Keywords: digital signature, RSA algorithm, network security