CHAPTER 12

CONCLUSION

"Explainable Artificial Intelligence (XAI) for Smart City Application: A Security, Privacy and Trusted" is a crucial topic in the domain of AI and smart cities. This paper explores the importance of XAI in ensuring the security, privacy, and trustworthiness of AI-powered systems in smart cities.

The paper presents several key insights into the role of XAI in smart city applications. First, it highlights the need for transparency and interpretability in AI systems, especially in critical domains like public safety, health, and transportation. Second, it emphasizes the importance of privacy protection and data governance in AI systems to ensure that sensitive personal information is not misused or mishandled. Third, the paper discusses the challenges and opportunities for XAI in smart city applications, including the need for new algorithms, data collection, and integration with existing systems.

Overall, the paper concludes that XAI is an essential component of AI systems in smart cities. It helps to ensure that these systems are secure, privacy-preserving, and trustworthy, which are crucial factors for the success of smart city initiatives. However, it also acknowledges that there are many challenges and research opportunities in this area, and further work is needed to develop effective XAI solutions for smart city applications.