

Android Based Ransomware Detection using Explainable AI (XAI) Integrated Machine learning

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Abstract: *The widespread adoption of Android as the leading mobile operating system has made it a primary target for various forms of cyberattacks, particularly ransomware. Android's open-source architecture and extensive app ecosystem, while enabling innovation, also expose it to significant security risks. Ransomware attacks on Android devices encrypt user data or lock access, demanding payment for restoration. These attacks not only cause financial loss but also compromise user privacy and system integrity.*

Keywords: *Android*

