

Supervised By
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DROID SCANNER

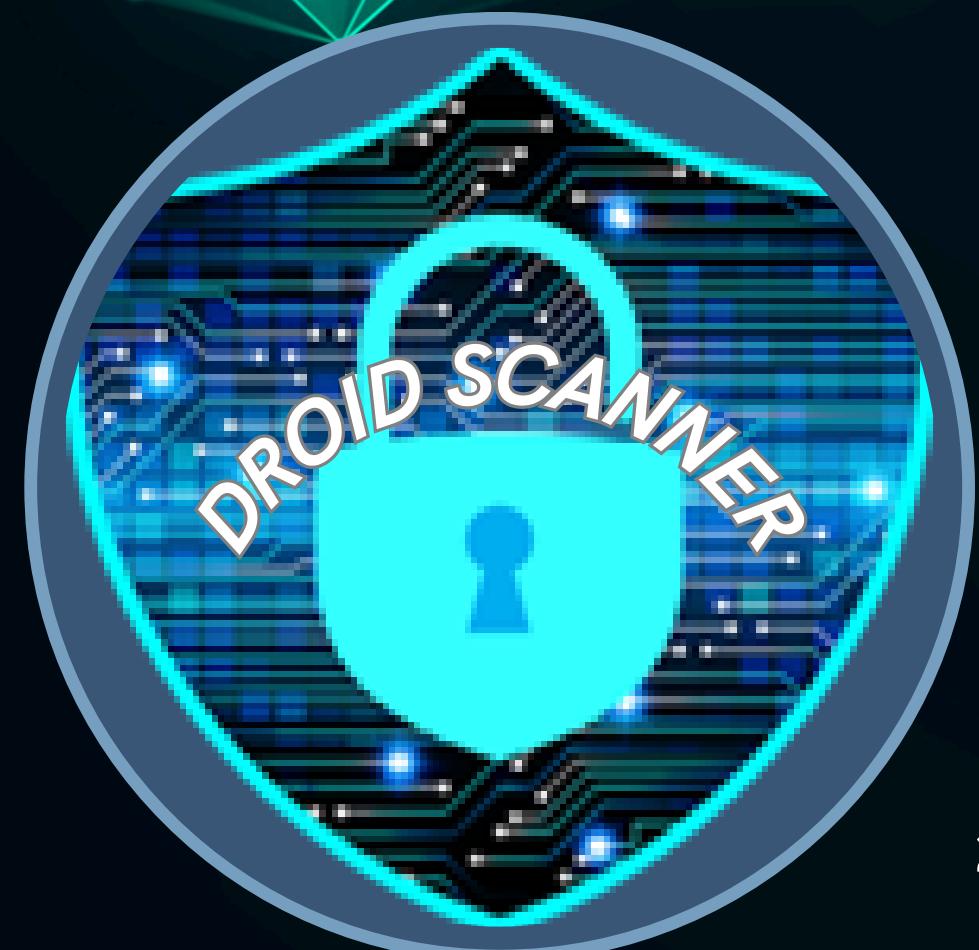
**AN APP SECURITY MANAGEMENT
SYSTEM**

Presented by:
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ABOUT DROID SCANNER

It is an android app security tool which provides-

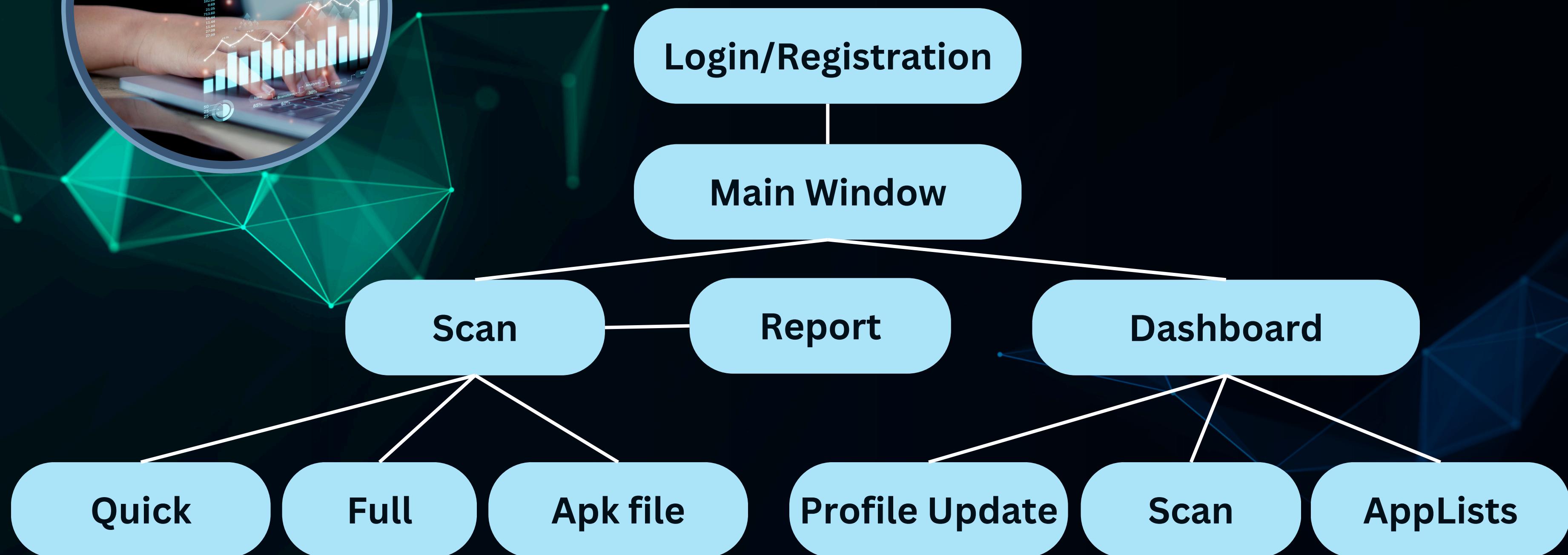
- Full Scan (all apps) | Quick Scan (specific app)
- Malicious App Detection
- APK Extraction
- Security Reports: Permissions, intents, risks
- User and Developer dashboard
- Database tracks scan history & security records
- Custom App Management



What Sets Droid Scanner Apart?

- Achieves High Accuracy with Fewer Features
- Faster and More Efficient:
- Lightweight Database
- More Transparent and Explainable:
- Real-Time Ready & Device Scanning (Future Update)

PROCESS



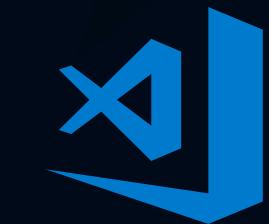
CHALLENGES

- Extracting Features from APK Files
- Training & Optimizing the Machine Learning Model
- Making Large-Scale Scans Efficient
- Ensuring Secure Data Storage & Privacy
- Designing a Smart Whitelist & Blacklist System
- Building a User-Friendly PyQt5 Interface

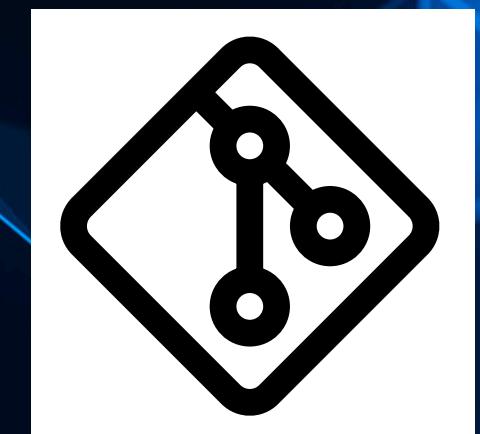
FUTURE SCOPE

- Enhanced Behavior Analysis - Track network & hardware interactions
- Expanded Dataset - More permissions, intents & behaviors
- Real-Time Threat Detection - Scan during installs & updates
- Continuous Security Updates - Evolving with Android threats
- Optimized ML Model - Accurate & efficient classification
- Future-Proof Protection - Adapting to emerging malware

USED TOOLS AND TECHNOLOGY



Visual Studio Code



UNITY AND WORK



WHERE TO FIND DROID SCANNER



Application Link



Github Repository



Documentation



THANK YOU!

FOR YOUR ATTENTION