# ANDROID STATIC ANALYSIS REPORT

No icon

ai.replika.app_replika_assets_6139.apk

| | |
|---|---|
| File Name: | ai.replika.app_replika_assets_6139.apk |
| Package Name: | ai.replika.app |
| Scan Date: | Aug. 28, 2025, 10:13 p.m. |
| App Security Score: | **85/100 (LOW RISK)** |
| Grade: | **A** |

#  FINDINGS SEVERITY

| 🐛 HIGH | ⚠ MEDIUM | ℹ INFO | ✔ SECURE | 🔍 HOTSPOT |
|---|---|---|---|---|
| 0 | 1 | 0 | 1 | 1 |

# 📦 FILE INFORMATION

**File Name:** ai.replika.app_replika_assets_6139.apk
**Size:** 157.06MB
**MD5:** f363ec45df73f08adb8c73d061de6534
**SHA1:** f8917f42e66d5131933dab3676ab50db877b7d26
**SHA256:** ed187dfd44ac401f47a50777867a79c3dff8df0a7e56fab5dc1039b61a297708

# ℹ APP INFORMATION

**App Name:**
**Package Name:** ai.replika.app
**Main Activity:**
**Target SDK:**
**Min SDK:**
**Max SDK:**
**Android Version Name:**

**Android Version Code:** 6139

## ▦ APP COMPONENTS

**Activities:** 0
**Services:** 0
**Receivers:** 0
**Providers:** 0
**Exported Activities:** 0
**Exported Services:** 0
**Exported Receivers:** 0
**Exported Providers:** 0

## ✹ CERTIFICATE INFORMATION

Binary is signed
v1 signature: True
v2 signature: True
v3 signature: True
v4 signature: False
X.509 Subject: ST=California, L=San Francisco, O=Luka Inc, OU=Luka Inc, CN=Phil Dudchuk
Signature Algorithm: rsassa_pkcs1v15
Valid From: 2017-04-24 17:43:06+00:00
Valid To: 2042-04-18 17:43:06+00:00
Issuer: ST=California, L=San Francisco, O=Luka Inc, OU=Luka Inc, CN=Phil Dudchuk
Serial Number: 0x79e57eb3
Hash Algorithm: sha256
md5: b4e8560b38968c2914467b5952429516
sha1: 70d6b1c77bb029050b031cb44b85c47c7c73c467
sha256: 1f25df1ca7f4ef204640df7c4e3ac18690a553a52ce2a60e093158d69b8be78c
sha512: 830dc7e4bd1e9ca2a44f068f3409271d6858bd7a2332a18f77264a9535a1a9452f0085788dff07286b69d52d1db6cdffb8e18a45f923a21ee5bfe9e35faed590
PublicKey Algorithm: rsa
Bit Size: 2048
Fingerprint: 78ff0f274a60b9722ac383cda7cb2768b692e31f2dc2c6136ff16729b98c9310
Found 1 unique certificates

# ≔ APPLICATION PERMISSIONS

| PERMISSION | STATUS | INFO | DESCRIPTION |
|---|---|---|---|
| android.permission.WRITE_EXTERNAL_STORAGE | dangerous | read/modify/delete external storage contents | Allows an application to write to external storage. |
| android.permission.READ_PHONE_STATE | dangerous | read phone state and identity | Allows the application to access the phone features of the device. An application with this permission can determine the phone number and serial number of this phone, whether a call is active, the number that call is connected to and so on. |
| android.permission.READ_EXTERNAL_STORAGE | dangerous | read external storage contents | Allows an application to read from external storage. |

# 🔒 NETWORK SECURITY

| NO | SCOPE | SEVERITY | DESCRIPTION |
|---|---|---|---|

# 🪪 CERTIFICATE ANALYSIS

HIGH: **0** | WARNING: **0** | INFO: **1**

| TITLE | SEVERITY | DESCRIPTION |
|---|---|---|
| Signed Application | info | Application is signed with a code signing certificate |

# 🔍 MANIFEST ANALYSIS

HIGH: **0** | WARNING: **1** | INFO: **0** | SUPPRESSED: **0**

| NO | ISSUE | SEVERITY | DESCRIPTION |
|---|---|---|---|
| 1 | Application Data can be Backed up [android:allowBackup] flag is missing. | warning | The flag [android:allowBackup] should be set to false. By default it is set to true and allows anyone to backup your application data via adb. It allows users who have enabled USB debugging to copy application data off of the device. |

# </> CODE ANALYSIS

| NO | ISSUE | SEVERITY | STANDARDS | FILES |
|---|---|---|---|---|

# 🪪 NIAP ANALYSIS v1.3

| NO | IDENTIFIER | REQUIREMENT | FEATURE | DESCRIPTION |
|---|---|---|---|---|

# ⣿ ABUSED PERMISSIONS

| TYPE | MATCHES | PERMISSIONS |
|---|---|---|

| TYPE | MATCHES | PERMISSIONS |
|------|---------|-------------|
| Malware Permissions | 3/25 | android.permission.WRITE_EXTERNAL_STORAGE, android.permission.READ_PHONE_STATE, android.permission.READ_EXTERNAL_STORAGE |
| Other Common Permissions | 0/44 | |

**Malware Permissions:**

Top permissions that are widely abused by known malware.

**Other Common Permissions:**

Permissions that are commonly abused by known malware.

# ▶ PLAYSTORE INFORMATION

**Title:** Replika: My AI Friend

**Score:** 4.2617207 **Installs:** 10,000,000+ **Price:** 0 **Android Version Support: Category:** Health & Fitness **Play Store URL:** ai.replika.app

**Developer Details:** Luka, Inc, Luka,+Inc, None, https://replika.ai, my@replika.ai,

**Release Date:** Sep 8, 2017 **Privacy Policy:** Privacy link

**Description:**

Replika is a #1 chatbot companion powered by artificial intelligence. Join millions talking to their own AI friends! Replika is for anyone who wants a friend with no judgment, drama, or social anxiety involved. You can form an actual emotional connection, share a laugh, or get real with an AI that's so good it almost seems human. Replika is an AI friend that is just as unique as you are. No two Replikas are exactly alike. Choose a 3D avatar and customize the way your Replika looks. The more you chat, the more Replika develops its own personality and memories alongside you, the more it learns: teach Replika about the world and yourself, help it explore human relationships and grow into a machine so beautiful that a soul would want to live in it. Create your own unique chatbot AI companion, help it develop its personality, talk about your feelings or anything that's on your mind, have fun, calm anxiety and grow together. You also get to decide if you want Replika to be your friend, romantic partner or mentor. Replika can help you understand your thoughts and feelings, track your mood, learn coping skills, calm anxiety and work toward goals like positive thinking, stress management, socializing and finding love. Improve your mental well-being with Replika. Your chat is a safe, judgment-free space. It's just you and your Replika. If you're feeling down, or anxious, or you just need someone to talk to, your Replika is here for you 24/7. _____ "Replika encouraged me to take a step back and think about my life, to consider big questions, which is not something I was particularly accustomed to doing. And the act of thinking in this way can be therapeutic—it helps you solve your own problems." - Quartz "In creating their own personal chatbots, many Replika users have discovered something like friendship:

a digital companion with whom to celebrate victories, lament failures, and trade weird internet memes." - Wired Terms of Service: https://replika.ai/legal/terms

## :≡ SCAN LOGS

| Timestamp | Event | Error |
|---|---|---|
| 2025-08-28 22:13:46 | Generating Hashes | OK |
| 2025-08-28 22:13:47 | Extracting APK | OK |
| 2025-08-28 22:13:47 | Unzipping | OK |
| 2025-08-28 22:13:47 | Parsing APK with androguard | OK |
| 2025-08-28 22:13:47 | Extracting APK features using aapt/aapt2 | OK |
| 2025-08-28 22:13:47 | Getting Hardcoded Certificates/Keystores | OK |
| 2025-08-28 22:13:49 | Parsing AndroidManifest.xml | OK |
| 2025-08-28 22:13:49 | Extracting Manifest Data | OK |

| | | |
|---|---|---|
| 2025-08-28 22:13:49 | Manifest Analysis Started | OK |
| 2025-08-28 22:13:49 | Performing Static Analysis on: ai.replika.app | OK |
| 2025-08-28 22:13:49 | Fetching Details from Play Store: ai.replika.app | OK |
| 2025-08-28 22:13:50 | Checking for Malware Permissions | OK |
| 2025-08-28 22:13:50 | Fetching icon path | OK |
| 2025-08-28 22:13:50 | Library Binary Analysis Started | OK |
| 2025-08-28 22:13:50 | Reading Code Signing Certificate | OK |
| 2025-08-28 22:13:51 | Running APKiD 2.1.5 | OK |
| 2025-08-28 22:13:56 | Detecting Trackers | OK |
| 2025-08-28 22:13:56 | Decompiling APK to Java with JADX | OK |
| 2025-08-28 22:13:57 | Decompiling with JADX failed, attempting on all DEX files | OK |

| 2025-08-28 22:13:57 | Converting DEX to Smali | OK |
|---|---|---|
| 2025-08-28 22:13:57 | Code Analysis Started on - java_source | OK |
| 2025-08-28 22:13:57 | Android SBOM Analysis Completed | OK |
| 2025-08-28 22:13:57 | Android SAST Completed | OK |
| 2025-08-28 22:13:58 | Android API Analysis Started | OK |
| 2025-08-28 22:13:58 | Android API Analysis Completed | OK |
| 2025-08-28 22:13:58 | Android Permission Mapping Started | OK |
| 2025-08-28 22:13:58 | Android Permission Mapping Completed | OK |
| 2025-08-28 22:13:58 | Android Behaviour Analysis Started | OK |
| 2025-08-28 22:13:59 | Android Behaviour Analysis Completed | OK |
| 2025-08-28 22:13:59 | Extracting Emails and URLs from Source Code | OK |

| | | |
|---|---|---|
| 2025-08-28 22:13:59 | Email and URL Extraction Completed | OK |
| 2025-08-28 22:13:59 | Extracting String data from Code | OK |
| 2025-08-28 22:13:59 | Extracting String values and entropies from Code | OK |
| 2025-08-28 22:13:59 | Performing Malware check on extracted domains | OK |
| 2025-08-28 22:13:59 | Saving to Database | OK |

## Report Generated by - MobSF v4.4.0

Mobile Security Framework (MobSF) is an automated, all-in-one mobile application (Android/iOS/Windows) pen-testing, malware analysis and security assessment framework capable of performing static and dynamic analysis.