



◉ HILAL SCAN ◉

Scan. Verify. Trust.

PRIVACY POLICY

 Effective Date: July 29, 2026

 Version 1.0.0 (versionCode 1) |  Android (Global)

 Mian Tanveer Ahmad |  Digital Futures

 com.digitalfutures.hilalscan

IMPORTANT NOTICE TO ALL USERS

By downloading, installing, or using Hilal Scan ("the App"), you acknowledge that you have read, understood, and agree to be bound by this Privacy Policy in full. If you do not agree with any part of this Policy, please discontinue use of the App and uninstall it from your device. This document forms a legally binding agreement between you and Digital Futures (Mian Tanveer Ahmad).

Developer & Application Summary

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How to Read This Document

Every section opens on a fresh page for easy scanning. Hold Ctrl and click any entry above to jump straight to that section. Defined terms used throughout this Policy are introduced in Section 1.4.

SECTION 1

Introduction & Privacy Policy Overview

1.1 About This Application & Developer

Hilal Scan ("the App", "we", "us", or "our") is an Android application developed and published by Mian Tanveer Ahmad under the Digital Futures brand. The App is distributed on the Google Play Store under the package identifier com.digitalfutures.hilalscan and supports devices running API 24 — Android 7.0 (Nougat) through the latest API 36.

Hilal Scan lets you point your device's camera at a product's barcode or QR code and receive an instant Halal, Haram, or Mushbooh (doubtful) verdict, complete with an ingredient-level breakdown and the certification bodies checked. The App also includes a searchable scan history, a Favorites list, an E-Number additive encyclopedia, achievement badges, and a personalization suite offering multiple selectable colour themes. The App displays advertisements through Google AdMob to remain free to use.

This Privacy Policy explains, in plain language, exactly what information the App accesses on your device, why it accesses that information, how that information is processed, whether and with whom it is ever shared, how long it is retained, what safeguards protect it, and what choices and rights you have as a user. We have written this document to be thorough because we believe you deserve full transparency about your data.

1.2 Legal Compliance Framework

This Policy has been prepared with the following laws, regulations, and platform requirements in mind:

- Google Play Developer Program Policies — including the User Data, Families, and Permissions policies that govern every application distributed on the Google Play Store.
- EU General Data Protection Regulation (GDPR) — lawfulness, fairness and transparency; purpose limitation; data minimisation; accuracy; storage limitation; integrity and confidentiality; and accountability.
- California Consumer Privacy Act (CCPA) — the right to know, the right to delete, the right to opt out of sale, and the right to non-discrimination for California residents.
- Children's Online Privacy Protection Act (COPPA) — the App does not knowingly collect personal information from children under 13 without verifiable parental consent; see Section 10.
- Generally accepted international data-protection best practices, applied consistently regardless of where you are located.

Where two or more of the above frameworks could apply to you, we follow whichever standard is more protective of your privacy.

1.3 Who This Policy Applies To

This Policy applies to every individual who downloads, installs, opens, or otherwise interacts with Hilal Scan on any Android device, in any country, regardless of whether you create any in-app content (such as a saved favourite or a submitted correction) or simply use the scanner anonymously.

1.4 Key Definitions

- "Personal Data" means any information that identifies, or could reasonably be used to identify, a specific individual.
- "Device Data" means technical information about your device and its software environment, such as OS version, device model, and locale.
- "Local Storage" means data saved only on your device (via the App's Room database and SharedPreferences) that never leaves your device unless you explicitly export or share it.
- "Advertising Identifier" means a resettable, non-permanent identifier (such as the Android Advertising ID) used by Google AdMob to serve and measure ads.

SECTION 2

Information We Collect

2.1 Information You Provide Directly

Certain information only exists because you chose to create it inside the App:

- Scan history entries — the product name, brand, barcode/QR value, verdict, and timestamp of each code you scan, saved automatically to your local history.
- Favourites and notes — any product you bookmark, and any optional note you attach to a scan.
- "Suggest a fix" / "Report Product" submissions — the reason you select and any comment you choose to add.
- Feedback & Support messages — the topic and message text you write when you contact us, which is sent from your own email app and therefore includes whatever email address you send it from.

2.2 Device & Technical Information

To keep the App stable and secure, a limited set of technical information may be processed, including device manufacturer and model, Android OS version, display density, app version and build number, general locale/language setting, and basic crash or performance diagnostics. None of this technical data is used to build an advertising profile of you beyond what Google AdMob independently collects (see Section 2.4).

2.3 Camera & Image Data

The App requests camera permission solely to detect barcodes and QR codes in real time using on-device machine learning (Google ML Kit). Camera frames are analysed instantly on your device and are never recorded, stored, uploaded, or transmitted anywhere — not to our servers (we do not operate any), and not to any third party.

When you choose "Upload Photo," the App opens the Android system Photo Picker, which lets you select a single image without granting the App broad access to your gallery. That one image is analysed on-device for a barcode or QR code and is not retained by the App afterward.



2.4 Advertising Identifiers

The App displays banner, interstitial, and app-open advertisements through Google AdMob. AdMob may collect and use a resettable advertising identifier, coarse (non-precise) location signals derived from IP address, and general device information to select and measure ads. This collection is performed by Google, governed by Google's own Privacy Policy, and is not controlled by us. You can reset your advertising identifier or opt out of personalised ads at any time in your device's system settings; see Section 9.



2.5 Information We Do NOT Collect

We deliberately do not request or collect:

- Your real name, phone number, home address, or government ID
- Precise GPS location (AdMob may use coarse, IP-based signals only — the App itself never requests location permission)
- Your contacts, call logs, or SMS messages
- Biometric data such as fingerprints or facial recognition data
- Payment card or banking information (the App is free and contains no in-app purchases)
- Raw camera footage or gallery images beyond the single photo you actively choose to analyse

SECTION 3

How We Use Your Information



3.1 Core Scanning Functionality

Scan data is used to display your verdict, build your on-device History and Favorites lists, calculate the achievement badges and streaks shown on your Home screen, and let you search, filter, and export your own history. All of this processing happens locally on your device.



3.2 Personalization

Hilal Scan offers a full personalization suite, including multiple selectable colour themes, an Asia (12-hour) or Europe (24-hour) time format, a language preference, and scanning options such as HD quality, auto-scan, sound, and vibration. Every one of these choices is stored locally in SharedPreferences on your device and is used only to render the App the way you asked it to look and behave — never for profiling or advertising purposes.



Your Colour, Your Choice

The App ships with a gallery of selectable colour themes — purely a display preference stored on your device, never used for tracking or advertising:

• **Rose Quartz** • **Obsidian Noir** • **Emerald Jade** • **Sapphire Navy** • **Amber Bronze** • **Emerald Nature** • **Royal Purple** • **Sunset Warmth** • **Crimson Bold** • **Midnight Sky**



3.3 Advertising

Advertising identifiers and related signals described in Section 2.4 are used by Google AdMob to select, serve, frequency-cap, and measure the performance of the banner, interstitial, and app-open ads shown in the App, which keeps the App free for everyone to use.



3.4 App Improvement & Diagnostics

Basic crash and performance diagnostics, where available through standard Android and Google Play systems, are used only to identify and fix bugs, improve scan accuracy, and make the App faster and more reliable for future updates.



SECTION 4

Information Sharing & Disclosure



4.1 Google AdMob

Advertising identifiers and technical signals are shared with Google AdMob strictly to serve and measure ads within the App, as described in Section 2.4. Google acts as an independent controller of this data under its own Privacy Policy.



4.2 Service Providers

We do not employ any third-party analytics, crash-reporting, or backend service beyond the Google/AndroidX libraries listed in Section 7. We do not operate a server that receives your scan history, and no company other than Google (via AdMob and standard Play Services) processes App data on our behalf.



4.3 Legal Requirements

We may disclose information if required to do so by law, subpoena, or other legal process, or if we believe in good faith that disclosure is reasonably necessary to protect the rights, property, or safety of our users, the public, or ourselves.



4.4 Community "Suggest a Fix" Reports

If you submit a "Suggest a Fix" or "Report Product" entry, only the product code, your selected reason, and any comment you write are included — no personal identifier is attached unless you choose to include one in your comment.



4.5 We Do Not Sell Your Data

Our commitment to you

Digital Futures does not sell, rent, or trade your personal information to any third party for monetary or other valuable consideration, and has not done so in the preceding twelve months.



SECTION 5

Data Storage & Security



5.1 Local, On-Device Storage

Your scan history, favourites, notes, and every preference are stored in a private Room (SQLite) database and in SharedPreferences that live entirely inside the App's private, sandboxed storage area on your device. Android prevents other apps from reading this data without root access. Uninstalling the App permanently deletes this local database.



5.2 Optional Cloud Backup

The Settings screen includes an optional "Cloud Backup" toggle intended to sync your history across your own devices when enabled. This feature is off by default. If and when a cloud sync endpoint is enabled in a future update, it will be documented here and you will be able to turn it off at any time from the same Settings screen.



5.3 Security Measures

- Data is sandboxed by Android's application isolation model and is never written to public/shared storage.
- Any network traffic (AdMob requests, optional Cloud Backup) is transmitted over encrypted HTTPS/TLS connections.
- The App requests only the minimum runtime permissions needed to function (see Section 6) and never requests broad storage access.
- We apply industry-standard secure coding practices, including input validation and safe exception handling, throughout the codebase.



5.4 Your Control Over Stored Data

You are always in control of your local data. Settings → Data lets you Export History as a CSV file at any time, or permanently Clear All History with one tap. Individual entries can be deleted or unfavourited directly from the History and Favorites screens.



SECTION 6

App Permissions — Detailed Explanation

Hilal Scan follows the principle of least privilege: it requests only the permissions strictly necessary for its features to work, and nothing more.

Permission	Why the App Needs It
CAMERA	Required to detect barcodes and QR codes in real time. Frames are processed on-device only and are never stored or transmitted.
INTERNET	Required to load AdMob advertisements and, if enabled, sync optional Cloud Backup data.
ACCESS_NETWORK_STATE	Lets the App check connectivity before attempting an ad request or backup sync, avoiding unnecessary retries.
VIBRATE	Powers the optional haptic feedback pulse you feel when a barcode or QR code is successfully detected.
Photo access (via system picker)	No broad gallery/storage permission is requested. "Upload Photo" opens Android's Photo Picker, which returns only the single image you select.

✓ No Location, No Contacts, No Storage

The App never requests ACCESS_FINE_LOCATION, ACCESS_COARSE_LOCATION, READ_CONTACTS, or broad READ/WRITE_EXTERNAL_STORAGE permissions. Every capability above is scoped to the minimum needed for scanning, feedback, and ads.



SECTION 7

Advertising & Third-Party SDKs

Hilal Scan is built using the following Google and AndroidX software libraries. Each library operates under its own applicable privacy terms; the App does not add any additional third-party analytics or tracking SDKs beyond what is listed here.

Library / SDK	Purpose
Google AdMob	Displays banner, interstitial, and app-open advertisements; may use an advertising identifier as described in Section 2.4.
Google ML Kit — Barcode Scanning	Performs on-device barcode/QR detection. Processes images locally; does not transmit them off-device.
AndroidX CameraX	Provides the live camera preview and frame pipeline used by the scanner.
AndroidX Room	Manages the private, on-device SQLite database that stores your scan history.
AndroidX / Google Material Components	Provides the App's user-interface components, themes, and animations; collects no data.

You can review Google's data practices for these services at Google's Privacy Policy (policies.google.com/privacy) and AdMob's policies at support.google.com/admob.



SECTION 8

Data Retention Policy



8.1 How Long We Keep Data

Because scan history, favourites, and preferences are stored only on your device, they are retained for as long as the App remains installed, or until you delete them yourself — whichever happens first. We do not operate a central server that independently retains a copy of your history.



8.2 Deletion

- Delete a single scan — open History and remove the individual entry.
- Clear everything at once — Settings → Data → "Clear All History."
- Uninstall the App — Android automatically and permanently erases the App's private database and preferences.

8.3 Exported Copies

If you use "Export History" to generate a CSV file and share it (for example, by email or cloud storage), that exported copy is then subject to the retention and privacy practices of wherever you chose to send it — it is no longer governed by this Policy once it leaves the App.



SECTION 9

Your Privacy Rights & Choices



9.1 GDPR Rights (EEA / UK Users)

If you are located in the European Economic Area or the United Kingdom, you have the right to access, rectify, erase, restrict, or port the limited data described in this Policy, and the right to object to processing based on legitimate interest (such as certain ad-related processing performed by Google).



9.2 CCPA Rights (California Residents)

California residents have the right to know what personal information is collected, the right to request deletion, the right to opt out of any "sale" or "sharing" of personal information (we do not sell data — see Section 4.5), and the right to non-discrimination for exercising these rights.



9.3 Ad Personalisation Controls

- Android Settings → Privacy → Ads → "Delete advertising ID" or "Opt out of Ads Personalization."
- AdSettings.google.com to manage Google-wide ad personalisation.
- Settings → Privacy Policy inside the App for a live link to this Policy at any time.



9.4 In-App Controls

Because almost all App data lives on your device, most of your rights can be exercised directly and instantly inside Settings — exporting, favouriting, un-favouriting, and clearing your history — without needing to contact us at all. For anything else, Section 13 explains how to reach us.

 SECTION 10

Children's Privacy (COPPA)

Hilal Scan is a general-audience utility application and is not directed at children under the age of 13. We do not knowingly collect personal information from children under 13 without verifiable parental consent, in accordance with the Children's Online Privacy Protection Act (COPPA).

Because the App does not require an account, name, email address, or any other identifying information to function, the risk of inadvertently collecting a child's personal information is minimal. If we become aware that a child under 13 has provided personal information to us (for example, through a Feedback message), we will take reasonable steps to delete that information promptly.

Parents & Guardians

If you believe your child has provided us with personal information, please contact us using the details in Section 13 and we will investigate and delete the information as appropriate.

 SECTION 11

Third-Party Links & External Services

The App may display advertisements that link to third-party websites or other applications, and its Settings screen includes a "Rate the App" link to the Google Play Store and a "Share" action that opens your device's own share sheet.

We do not control, and are not responsible for, the content, privacy practices, or terms of any third-party website, advertiser, or application you reach through such links. We encourage you to review the privacy policy of any third-party destination before providing it with any information.

 SECTION 12

Changes to This Privacy Policy

We may update this Privacy Policy from time to time to reflect changes in the App's features, our data practices, or applicable law. When we make material changes, we will update the "Effective Date" at the top of this document and, where appropriate, provide an in-app notice describing the nature of the change.

We encourage you to review this Policy periodically. Your continued use of the App after any update constitutes your acceptance of the revised Policy. The current version of this Policy is always available from Settings → Privacy Policy inside the App.

 SECTION 13

Contact Us & Privacy Requests

If you have any question, concern, or request regarding this Privacy Policy or your data, please reach out using any of the channels below. We aim to respond to all legitimate privacy requests within 30 days.

 Developer	Mian Tanveer Ahmad
 Organisation	Digital Futures
 Email	uosgc.edu.pk@gmail.com
 Phone / WhatsApp	+92 300 6617872
 Website	www.w3webschools.com
 Package ID	com.digitalfutures.hilalscan

13.1 Making a Privacy Request

To request access to, export of, or deletion of any data associated with your use of the App, please email us at the address above with a clear description of your request. Because almost all data is stored locally on your own device, most requests (export, deletion) can be completed instantly by you inside Settings — we are, of course, happy to help if you need guidance.

 SECTION ✓

Final Notes & Acknowledgement

This Privacy Policy is intended to give you a complete and honest picture of how Hilal Scan handles information. Our guiding principle is simple: keep as much as possible on your device, collect only what a feature genuinely needs, and never sell your data.

This document is provided for general informational purposes and does not constitute legal advice. If you require legal advice regarding your specific circumstances, please consult a qualified professional in your jurisdiction.

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