

TABLE I
ANDROID APPS ANALYSIS

App Name	Category	Version	Downloads	Analysis
Gaana	Music	8.53.2	100M+	Device info: device model, brand, hardware, manufacturer, os version, screen height, screen width; App info: app version, application build, application package name, source of install, installer package; Sensor data: accelerometer data; Unique IDs: advertiser id, anonymous id, attribution, uuid; Personal info: phone number, OTP, locale, country, timezone
JioSaavn	Music	9.28.3	100M+	Device info: device model, manufacturer, hardware, os version, screen height, screen width, screen density; App info: app version, application build, application package name, source of install, installer package, build number; Unique IDs: advertiser id, anonymous id, attribution, idfa; Personal info: locale, country, timezone
Spotify	Music	9.0.80.1343	1B+	Device info: device model, manufacturer, brand, hardware, os version, screen height, screen width, screen density; App info: app version, application build, application package name, app tracking enabled, source of install; Sensor data: accelerometer data; Unique IDs: anonymous id; Personal info: gender, locale, country, timezone
WeSing	Music	5.91.2.1009	100M+	Device info: device model, manufacturer, hardware, os version, os build; App info: application build, installer package; Unique IDs: advertiser id, anonymous id, attribution, android id; Personal info: email, locale
Wynk Music	Music	3.72.0.2	100M+	Device info: device model, manufacturer, brand, hardware, os version, os build, screen height, screen width, sdk level; App info: app version, application build; Unique IDs: anonymous id, android id; Personal info: phone number, email, OTP, locale, country, timezone
Beauty Camera - Selfie Camera	Editing	3.1.5	10M+	Device info: device model, os version, screen height, screen width; App info: application package name, source of install; Sensor data: accelerometer data; Unique IDs: idfa; Personal info: locale, timezone
InShot	Editing	2.145.1500	500M+	Device info: device model, screen height, screen width; App info: application package name; Unique IDs: android id; Personal info: email
Snapseed	Editing	2.19.1.30-3051424	100M+	Device info: device model, hardware, manufacturer, os build; App info: application build; Personal info: locale, country
Photo Editor Pro - Polish	Editing	1.662.224	100M+	Device info: device model, hardware, manufacturer, os build; App info: app version, application build, application package name; Personal info: locale, country, timezone
PicsArt	Editing	28.4.8	1B+	Device info: device model, hardware, manufacturer, os build, os version; App info: application package name, application build, source of install, build number; Unique IDs: advertiser id, anonymous id, attribution, android id; Personal info: email, name, locale, timezone, country
Swiggy	Food	4.93.1	100M+	Device info: device model, manufacturer, hardware, os build; App info: app version, application build; Personal info: locale, country
Domino's	Food	12.1.26	100M+	Device info: device model, manufacturer, brand, hardware, os version, os build, screen height, screen width; App info: app version, application build, installer package; Sensor data: accelerometer; Unique IDs: advertiser id, anonymous id, attribution; Personal info: phone number, OTP, name, locale, country, timezone, latitude, longitude, city
McDelivery	Food	14.2.0	10M+	Device info: device model, manufacturer, brand, hardware, os version, os build, screen height, screen width; App info: app version, application build; Sensor data: accelerometer; Unique IDs: advertiser id, anonymous id, attribution; Personal info: phone number, OTP, name, locale, country, timezone, latitude, longitude, city
Zomato	Food	19.1.8	100M+	Device info: device model, manufacturer, brand, hardware, os version, os build, screen height, screen width; App info: app version, application build, installer package; Sensor data: accelerometer; Unique IDs: advertiser id, anonymous id, attribution; Personal info: phone number, OTP, name, email, locale, country, timezone, latitude, longitude, city
Instamart	Food	4.92.0	10M+	Device info: device model, manufacturer, brand, hardware, os version, os build, screen height, screen width; App info: app version, application build, installer package; Sensor data: accelerometer; Unique IDs: advertiser id, anonymous id, attribution; Personal info: phone number, OTP, name, locale, country, timezone, latitude, longitude, city
Adda247	Education	11.9.7	10M+	Device info: device model, manufacturer, brand, hardware, os version, os build, screen height, screen width; App info: app version, application build, application package name; Unique IDs: advertiser id, anonymous id, android id, attribution; Personal info: email, locale, country, timezone
HomeworkApp	Education	2.20.17	1M+	Device info: device model, brand, manufacturer, os version; App info: application package name; Unique IDs: advertiser id, anonymous id, attribution; Personal info: locale, timezone
MyPathshala	Education	3.2.5	500K+	Device info: device model; App info: application package name; Unique IDs: advertiser id, anonymous id, attribution
NET SET JRF Mock Tests	Education	2.2	100K+	Device info: device model, brand, manufacturer, os version; App info: app version, application package name; Unique IDs: advertiser id, anonymous id, attribution; Personal info: email, locale, timezone
PW	Education	15.34.05	10M+	Device info: device model, brand, manufacturer, os version, hardware, screen height, screen width; App info: app version, application build, application package name; Unique IDs: android id; Personal info: OTP, email, name, locale, country, timezone
Astrology & Horoscope	Astrology	3.0	1M+	Device info: device model, manufacturer, hardware, os build; App info: application build; Unique IDs: uuid; Personal info: locale
AstroSageAI	Astrology	27.4	50M+	App info: app version; Personal info: phone, OTP, gender, latitude, longitude, city, timezone
AstroTalk	Astrology	1.1.402	50M+	Device info: device model, manufacturer, brand, hardware, os build, sdk level; App info: app version, application build, application package name, build number; Unique IDs: advertiser id, anonymous id, android id, attribution, installer package; Personal info: phone, OTP, DOB, gender, pincode, locale, country, city, timezone
AstroYogi	Astrology	19.1	10M+	Device info: device model, manufacturer, hardware, os build, sdk level; App info: app version, application build, application package name, build number; Unique IDs: advertiser id, anonymous id, attribution, installer package; Personal info: OTP, locale, country, timezone
HiAstro	Astrology	3.8.0	100K+	Device info: device model, manufacturer, hardware, os build; App info: application build; Personal info: OTP, DOB, locale, latitude, longitude

Dance Workout	Fitness & Health	3.0.512	1M+	Device info: device model, manufacturer, hardware, os build; App info: app version, application build, application package name; Personal info: locale, country
EasyFit	Fitness & Health	1.1.8	100K+	Device info: device model, manufacturer, hardware, os build, sdk level; Personal info: locale
Home Workout	Fitness & Health	1.5.7	100M+	Device info: device model, manufacturer, hardware, os build, sdk level, screen height, screen width; App info: app version, application build, application package name; Sensor data: accelerometer; Unique IDs: idfa; Personal info: locale, country, timezone
Yoga4Lyf	Fitness & Health	2.9.2	1M+	Device info: device model, manufacturer, hardware, os build, os version; App info: app version, application build, application package name; Unique IDs: advertiser id, anonymous id, android id, attribution, installer package; Personal info: email, locale, country, timezone
Yoga for Beginners	Fitness & Health	1.5.9	5M+	Device info: device model, manufacturer, hardware, os build, os version, screen height, screen width; App info: app version, application build, application package name; Unique IDs: advertiser id, anonymous id, android id, attribution, installer package, app tracking enabled; Personal info: email, locale, country, timezone
Dot & Key	Shopping	8.0.1	1M+	Device info: device model, manufacturer, hardware, os build, os version, brand, screen height, screen width; App info: app version, application build, application package name; Unique IDs: anonymous id, attribution, installer package; Personal info: OTP, locale, country, timezone
Libas	Shopping	10.19.0	1M+	Device info: device model, manufacturer, brand, hardware, os build, os version, sdk level, screen height, screen width, rooted; App info: app version, application build, application package name, build number, application tracking enabled; Unique IDs: advertiser id, anonymous id, android id, attribution, installer package; Personal info: phone, OTP, email, name, pincode, locale, country, city, timezone
Pilgrim	Shopping	11.0.19	1M+	Device info: device model, manufacturer, brand, hardware, os build, os version, sdk level; App info: app version, application build, application package name, build number, application tracking enabled; Unique IDs: advertiser id, anonymous id, android id, attribution, installer package; Personal info: phone, OTP, address, locale, country, city, timezone
Renee Cosmetics	Shopping	2.1.583	1M+	Device info: device model, manufacturer, brand, hardware, os build, os version, sdk level, screen width; App info: app version, application build, application package name, application tracking enabled; Unique IDs: advertiser id, anonymous id, android id, attribution, installer package; Personal info: OTP, locale, country, timezone
The Derma Co	Shopping	3.1	1M+	Device info: device model, manufacturer, brand, hardware, os build, os version, sdk level, screen height, screen width; App info: app version, application build, application package name, app tracking enabled, application tracking enabled; Unique IDs: advertiser id, anonymous id, android id, attribution, installer package; Personal info: OTP, phone, email, name, locale, country, timezone, city, DOB, address
eCabs	Rides	5.12.4.2	500K+	Device info: device model, manufacturer, brand, hardware, os build, os version, sdk level, screen height, screen width; App info: app version, application build, application package name, app tracking enabled, application tracking enabled; Unique IDs: advertiser id, anonymous id, attribution, installer package; Personal info: locale, country, timezone
Ola	Rides	7.3.9	100M+	Device info: device model, manufacturer, brand, hardware, os build, os version; App info: app version, application build; Unique IDs: android id; Personal info: locale, country, timezone
OraRide	Rides	2.2.6	50K+	Device info: device model, manufacturer, hardware, os build, os version, screen height, screen width; App info: application package name, application build, app tracking enabled, application tracking enabled; Unique IDs: android id; Personal info: email, locale, country
Rapido	Rides	8.80.0	100M+	Device info: device model, manufacturer, hardware, os build; App info: application build, app version; Personal info: locale, country, timezone
Uber	Rides	4.599.10002	1B+	Device info: device model, manufacturer, hardware, os build, screen height, screen width; App info: app version, application build, source of install; Unique IDs: uuid, android id; Personal info: email, phone, locale, country, timezone, latitude, longitude
AB Friends	Gaming	13.5.3	100M+	Device info: device model, manufacturer, hardware, os build; App info: app version, application build, application package name, installer package; Unique IDs: advertiser id, anonymous id, attribution; Personal info: locale, country
Candy Crush Soda	Gaming	1.303.1	500M+	Device info: device model, brand, os version; App info: app version, application package name, installer package, attribution; Unique IDs: advertiser id, anonymous id; Personal info: locale
Hangman Words	Gaming	1.5106	10M+	Device info: device model, manufacturer, hardware, os build, screen height, screen width; App info: app version, application build, application package name, source of install, installer package, attribution; Unique IDs: uuid, advertiser id, anonymous id; Personal info: credit card, locale, country, timezone
Water2	Gaming	1.9.48	100M+	Device info: device model, os version, screen height, screen width; App info: app version, application package name, source of install; Sensor data: accelerometer data; Unique IDs: idfa; Personal info: locale, country, timezone
Yalla Ludo	Gaming	1.4.5.1	100M+	App info: application package name
DreamShort	Entertainment	1.26.20	1M+	Device info: device model, os version, screen height, screen width, brand, hardware, manufacturer, sdk level, os build; App info: app version, application package name, source of install, application build, app tracking enabled, application tracking enabled; Sensor data: accelerometer data; Unique IDs: idfa, android id, anonymous id, attribution; Personal info: email, locale, country, timezone
JioCinema	Entertainment	25.04.100-ce3c406	100M+	Device info: device model, os build, hardware, manufacturer; App info: app version, application build; Unique IDs: advertiser id; Personal info: locale, country, timezone
Netflix	Entertainment	9.37.0 build 7 63508	1B+	Device info: device model, os build, hardware, manufacturer; App info: app version, application build; Personal info: locale, country
Sony LIV	Entertainment	6.22.10	100M+	Device info: device model, hardware, manufacturer, os build; App info: app version, application build; Personal info: locale, country, timezone
ZEE5	Entertainment	39.31.4	100M+	Device info: device model, hardware, manufacturer, os build, sdk level, brand; App info: app version, application build, application package name, installer package; Unique IDs: advertiser id, anonymous id; Personal info: locale, country, timezone