

Harsh Singh

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Professional Summary

Motivated AI/ML postgraduate student pursuing a Master's (AI/ML) at KR Mangalam University with a strong software engineering background. One year of professional experience as a Senior Android Developer at AppSquads and hands-on experience building AR systems using Unreal Engine 5, Blender, and After Effects. Seeking a full-time role in Generative AI or Agentic AI to build production-ready intelligent systems.

Technical Skills

Languages:

Python, Java, Kotlin, C/C++, SQL

Machine Learning:

PyTorch, TensorFlow, scikit-learn, transformers

Tools & Frameworks:

Android SDK, Unreal Engine 5, Blender, After Effects, OpenCV, Git

Areas of Interest:

Generative AI, Agentic systems, Deep Learning, AR/VR, Mobile ML

Professional Experience

Senior Android Developer

(1 year)

AppSquads

- Designed and developed scalable Android features using Kotlin and Java; improved app performance and responsiveness.
- Integrated RESTful APIs and worked with backend teams to ensure robust data flow and error handling.
- Collaborated with designers and QA to enhance UX and reduce crash rates through instrumentation and analytics.
- Mentored junior developers and participated in code reviews and CI/CD workflows.

Selected Projects

Smartphone Sensor Diagnostics App

Android application that allows users to self-diagnose smartphone sensors (accelerometer, gyroscope, magnetometer, proximity, light) in real time. Implemented sensor sampling, visualization, and automated test flows to identify faulty/hysteresis-prone sensors.

Augmented Reality Experience (AR)

Developed immersive AR/3D experiences using *Unreal Engine 5*, *Blender*, and *After Effects*. Pipeline included 3D asset creation, scene composition, camera tracking, and rendering for interactive demos.

Education

Master of Computer Applications (AI/ML Specialization)

2025 – 27

KR Mangalam University

Bachelor of Computer Applications (BCA)

2021 – 24

Guru Gobind Singh Indraprastha University

Certifications & Tools

- Android Development on Android 15 and 16 course from Coursera
- Git, Docker (basic), VS Code, Android Studio

Career Objective

To pursue a full-time career in Generative AI / Agentic AI — building robust models and systems that can generate useful content, reason, and assist users autonomously in real-world applications.

Availability: Immediately available for internships.

References: Available on request.