

ATHARVA MUTKULE

📞 +91-7028552589

✉️ atharvmutkule19@gmail.com

🔗 www.linkedin.com/in/atharva-mutkule

💻 https://github.com/killerz11

Technical Skills

Languages: Java, Javascript, Typescript, C++, C, Python, SQL ,Verilog

Frameworks and Platforms: Android, Kotlin Multiplatform, Jetpack Compose, Firebase

Tools and Technologies: WebRTC, Unity, GCP, Quartus, Data Structures and Algorithms

Projects

Rangoli Making Robot (FireBird V – ATmega2560) | [Video Link](#)

Jul 2025 - Nov 2025

- Designed and programmed an autonomous Rangoli making robot using FireBird V powered by AT-mega2560 microcontroller.
- Implemented precise motor control, path planning, and drawing algorithms to create accurate geometric and artistic patterns.
- Integrated embedded C programming, sensor calibration, and real-time motion control for smooth and repeatable drawings.

OfflineLLM: Privacy-First AI Assistant | [Google Play Store link](#)

Nov 2024 - Jan 2025

- Developed an offline Large Language Model (LLM) assistant running fully on-device, ensuring strong data privacy.
- Designed a lightweight inference pipeline enabling real-time responses and semantic search on Android.
- Scaled organically to 30k+ users using optimized Java/Kotlin pipelines and on-device AI inference.

FocusGuard: Android Launcher | [Google Play Store link](#) | [GitHub link](#)

Jul 2024 - Sep 2024

- Built a custom Android launcher to reduce phone addiction by force-stopping distracting apps via user-defined rules.
- Implemented global payment integration and intelligent app control mechanisms.
- Tech Stack: Kotlin, Java, Android

Experience

Genzopia Solutions LLP

Jan 2025 - Dec 2025

Android Developer

- Led a team of 3+ members and owned end-to-end development of real-time communication features.
- Integrated WebRTC-based peer-to-peer video calling, managing signaling, media streams, and connection lifecycle.
- Implemented a random video calling system with real-time user matchmaking and seamless session transitions.

Achievements

- Published 3+ Android applications on the Google Play Store with a global user base.

- Winner of 5+ national and college-level hackathons for innovative engineering solutions.

Education

Nutam Maharashtra Institute of Engineering and Technology

Bachelor of Engineering in Electronics and Telecommunications