

Gagan Malvi

PLATFORM DEVELOPER

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Profile

I am an AOSP developer, experienced with Qualcomm and MediaTek chipsets, and a second year student of CSE at Vellore Institute of Technology, Vellore. I love to play around with kernels and different operating system platforms, like Android and Ubuntu Touch. I'm also proficient with Android testing suites, and am actively learning low level development. I have volunteered at different well-known projects namely Paranoid Android (AOSP) and PotatoProject (POSP). I'm also the Founder and Lead at the Styx Project, a custom ROM aimed to simplify the smartphone experience. I work on the Teracube One, 2e, Xiaomi Redmi 7, POCO X2 and the Xiaomi Redmi 9 Power. Playing around with different new embedded technologies is fun. I design in my free time as well.

Volunteering

Technical Director ACM-VIT

2022 – Present

Managing all technical departments and related aspects in ACM-VIT.

Worked on GitPositive, Keyholder, and a few apps that ACM-VIT uses internally. Also managed events like Kick Start Learn.

Device Engineer Paranoid Android

2020 – Present

Worked on aftermarket firmware for a few Redmi devices (Note 4, 7, 9T, K30) and brought up MediaTek support on a CodeAurora/CodeLinaro codebase (CAF/CLO – Qualcomm's fork of AOSP) with almost everything working. Contributor to said codebase as well.

Open Source Developer Teracube

2020 – 2022

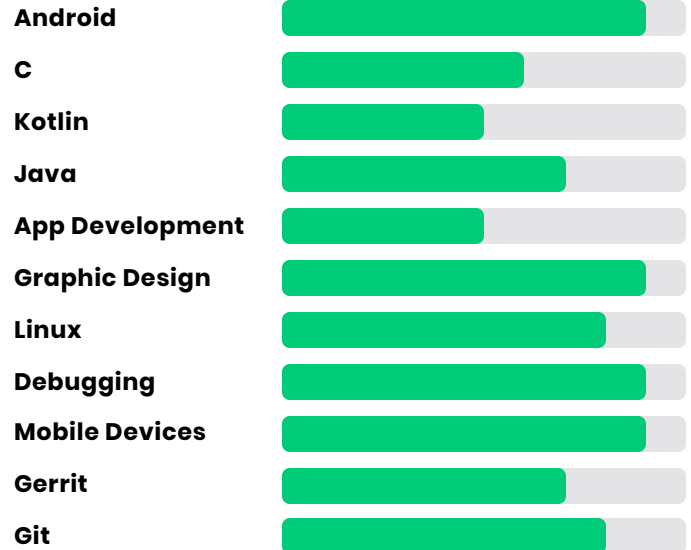
Worked on LineageOS for the Teracube 2e (2 variants – one with A-only partitioning and one with dynamic AB) and voluntarily worked on the BSP, with submitted improvements to the codebase throughout the months.

Recognized Developer XDA – Developers

2021 – Present

Selected as a Recognized Developer by the XDA RD committee with a history of producing cutting edge work in the Android community.

Skills



Education

B. Tech. Computer Science and Engineering

Vellore Institute of Technology, Vellore 2020–2024

CGPA: 8.49

Experience

Platform Intern Teracube

Feb. 2022 – Present

Redmond, Washington, United States

Working on MediaTek BSPs to provide software updates for Teracube smartphones, and improving performance and stability for the same, alongside working on aftermarket firmware for said devices with LineageOS and /e/ support, and helping out with opensource code releases, for the devices Teracube One, Teracube 2e.

Projects

Styx Project AOSP Derivative

2020 – Present

A simple AOSP fork aimed at enhancing the smartphone experience

A lightweight AOSP-based aftermarket distribution aiming to provide speed, stability, enhanced battery, reduced bloat and the subtly-enhanced beauty of stock Android to users.

github.com/StyxProject