

TechSprint 2026

Google Technology Stack & MVP Guide

Why This Session?

Many students are confused about which technology to use. This guide helps you choose the right stack and build a valid MVP.

Hackathon Rule: Use at least ONE Google Technology properly.

Beginner Friendly Stack: Firebase

Firebase provides Authentication, Database, and Hosting. Ideal for beginners.

Backend & Hosting Options:

- Firebase (Recommended)
- Google Cloud Platform (Advanced)

AI & ML Tools:

- Google Gemini API (Chatbots, Summarization)
- Vertex AI (Advanced ML)

Frontend Options:

- Web (HTML, CSS, React)
- Flutter (Cross-platform)
- Android Studio (Native Android)

Maps & Location:

- Google Maps Platform (Routes, Live location)

Authentication:

- Google OAuth (Sign in with Google)

What is an MVP?

A working link showing at least one feature using Google technology.

Recommended Combinations:

- Firebase + Gemini API
- Flutter + Firebase
- React + Firebase Hosting

Final Advice:

Simple + Working projects always win.