**Project Title:** Use of Smartphones for physiological measurements

**Project Description:** We want to investigate the feasibility and usability of smartphones (using camera/mic and other sensors) to collect clinically useful physiological readings like blood glucose level, spo2 readings etc. The project aims to summarize current solutions (both commercial and open source) and compare some of these measurements with that of state-of-the-art wearables and medical devices. Development will be done using open source tools available to understand the feasibility of existing work.

**Project Type:** Research and Engineering

**Duties/Activities:** Mobile Development, Investigating and using Computer Vision libraries

**Required Skills:** Mobile development experience in either Swift / Java (Android) / Kotlin or Hybrid framework, Willingness to learn new technical skills, Good teamplayer

**Preferred Intern Academic Level:** Year 3 or 4 in Undergraduate / Masters / PhD

**Learning Opportunities:** Flutter development, Working with Python libraries, Using different packages and frameworks, Publishing app on App store

**Expected Team Size:** 1-2 members

**Mentors**

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