# KAPILESH THARAKNATH

## Software Engineer

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## EXPERIENCE

### Software Engineer

**intive GmbH**

📅 February 2018 – Ongoing                          📍 Berlin, Germany

- Worked on projects with clients such as Vorwerk and Telekom having a highly dispersed remote team from conception to launch
- Been involved in estimations for new projects and in setting up end-to-end development pipelines
- Developed proof of concepts for emerging multiplatform technologies such as Kotlin Multiplatform and presented various new Android APIs on a company level to be on the cutting edge of the field

### Android Developer

**Witworks Consumer Technologies Pvt. Ltd.**

📅 August 2016 – December 2017                    📍 Bangalore, India

- Worked with a small self organizing team to build and maintain a UI/UX library for an Android based circular smartwatch and practiced AGILE product development methodologies such as SCRUM
- Developed system apps like Navigation, Caller, Music Player, Calendar, Uber, Voice Command and was involved in their periodic releases
- Worked on Bluetooth Classic, BLE, HSP, HFP, A2DP, AVRCP

## PROJECTS

### Vorwerk - Cookidoo                    📅 May 2018 - Oct 2019

**A companion app for Thermomix, a cooking appliance**

- Worked with an international team spread out amongst various countries to create an app with a fully reactive flow with frameworks such as RxJava and Koin, applying design principles derived from MVP and Clean Architecture
- Involved in high-level planning from conception to release through various phases of development and in setting up development pipelines

### Kotlin Multiplatform - POC              📅 Jun 2019 - Jul 2019

**Made a small app as a proof of concept for, then emerging, Kotlin Multiplatform framework**

- The idea was to find a multi-platform tool which had a gentle learning curve, a native look, feel & performance and can be used to share code amongst Android, iOS and possibly Web for our customers requiring simple apps
- Despite having many conceptual advantages it drastically fell short in terms of stability at the time and we went with Flutter instead

### Telekom - Megadeal                      📅 Mar 2018 - Apr 2018

**An app by Telekom for discounts, coupons and deals**

- Handled legacy java code and worked with UI libraries such as Epoxy
- Used libraries such as RxJava & Dagger and used MVP architecture

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*Machine Learning and AI enthusiast having strong Data Structures and Algorithm skills, with industry experience in Android Development*

## TECHNICAL SKILLS

Android   Machine Learning

Kotlin Multiplatform   React Native

Dagger   RxJava   Koin   React JS

Mockito   Espresso   JUnit

Kotlin   Java   Python   C++

JavaScript

## SIDE PROJECTS

### Student Retention Predictor

**Applied Machine Learning to real-world data obtained from a school for underprivileged youth**

### Tic Tac Toe

**An unbeatable Tic Tac Toe application using Min-Max algorithm**

### Voice Assisted Weather App

**A simple weather application which takes voice command as input and tells weather**

### Circular Layout Manager

**An Android Library for a Circular List**

## EDUCATION

### Deep Learning Specialization Course

**About structuring, tuning and optimizing Deep Neural Networks**

📅 May 2019 - Jul 2019

### Bachelor of Technology (B.Tech.)

**Delhi Technological University**

📅 Aug 2012 – May 2016

Mechanical and Automotive Engineering