

Sonu Sourav

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Bangalore, India

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EXPERIENCE

Android Developer Intern

Polygon (Previously Matic Network)

June 2020 – December 2020 Bangalore, India

- Improved the **transaction workflow** of the Matic Wallet app, which bridges the gap between scalability issues and user experience on Ethereum by reducing the overhead time by approximately **40%** using **MQTT protocol**.
- It adds another layer of abstraction on top of Ethereum network using an adapted version of **Plasma with PoS** based side chains to scale upto **65k transactions/second** on a single Matic chain
- Developed **Zippy** from scratch, a cross-platform payment app using **Flutter** that helps users to send and receive money from anywhere across the world, pay merchants and earn rewards on transactions with just few taps.

Kotlin RxKotlin Flutter Dart Payment Blockchain

Android App Developer Intern

Texopanda

July 2018 – Aug 2018 Bangalore, India

- Led a **team of 5 developers** to build an android app in alignment with latest Jetpack Components.
- Added **Firestore** back-end support with API integration to improve the UX experience and cut down on development time

Firebase Retrofit Butterknife RxJava Dagger Mockito

Software Development Engineer Intern

Tata Innovation Labs

March 2018 – July 2018 IISc Bangalore, India

- Created an Android solution from scratch for a **Smart Wearable** device on top of **BP algorithm** that uses **PPG (Photoplethysmogram)** and **ECG (Electrocardiogram)** signals to measure heartbeat and blood-pressure

Java Bluetooth Low Energy MPCharts Git Jetpack

EDUCATION

Indian Institute of Technology Dharwad

Bachelor of Technology (Electrical Engineering)

Aug 2017 – April 2021 Dharwad, Karnataka

SKILLS

Java Kotlin Flutter Dart Go C++ HTML MySQL

Android Studio XCode Firebase MongoDB Visual Studio

Linear GCP Git Matlab Postman

PROJECTS

Zippy

Manager: Vidyaa krishna

- Developed a **payment app** from scratch using **Flutter framework** which helps users to do seamless transactions across the globe.
- Users can easily convert their money into digital currency for instantaneous transfers and they earn rewards for the same.

Kiwix-Android

Mentor: Seán Mac Gillicuddy

- Converted around **60%** of Kiwix-android project to **Kotlin** and reduced the code size by around **20%**
- Improved the UI/UX of various features of the app including tabs and navigation.

Cache Modelling

Advisor: Prof. Rajshekar K.

- Emulated the **ToyRISC processor**, researching strategies to increase the hit rate of the cache, by enhancing the hardware prefetcher.

4 DOF Robotic Arm

Advisor: Dr. Ameer Mulla

- Leveraged **Inverse Kinematics** concepts to build RRRR configuration 4-DoF arm with an **active feedback** mechanism for high precision control

ACHIEVEMENTS



Gold Medal in Inter-IIT Tech Meet 8.0

Won Gold Medal in Schlumberger Coding Hackathon held at Inter-IIT Tech Meet 8.0 organized by IIT Roorkee



Panasonic Ratti Chattr Scholar

One of the **30 scholars** in India; Received cash scholarship of **\$2400**



Fourth Position at Jio Developer Hackathon

Secured fourth position at Jio Developer Hackathon: Solve for Billion held at Inter-IIT Tech Meet 7.0 at IIT Bombay



Aakash-YTSE Scholar

AIR-3; Received scholarship of **\$1000** with one year of free tuition

OTHERS



Head of Public Relations

CDC, IIT Dharwad



GitHub Campus Expert

GitHub Education



Ex-General Secretary Technical Affairs

IIT Dharwad



Ex-DSC Lead

Google Developers