

# Sonu Sourav

Aut inveniam viam aut faciam

@ sonusouravdx001@gmail.com  
sonusourav.github.io

+91-9916228725

sonusourav

Bangalore, India

sonusourav



## EXPERIENCE

### Mobile Engineer Intern

#### Polygon (Previously Matic Network)

June 2020 – January 2021 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 – Ongoing 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