

Ayush Goyal

ayushgoyal.iitkgp@gmail.com | +91-8768668885 | [LinkedIn](#) | Github: [DefCon-007](#)

EXPERIENCE

Rippling

Software Engineer

Bengaluru, India

May 2019 - Present

- Working on automation of **information retrieval** from different insurance partners **not having APIs**
- Improved the coverage of the tool to cover up to **90%** of the total data
- Added base infrastructure as a work around to crawling using **browser rest API calls**.
- Automated the process of identifying anomalies in the customer insurance data, **minimizing the manual efforts required**.

Finbox

Software Engineering Intern

Bengaluru, India

May 2018 - June 2018

- **Restructured a complete application** to aggregate financial data from users account and retrieved top 5 postal addresses and generated account statements based on bank transactions over the credit-debit period.
- Brought down the execution time for data aggregation of a single user **from 1080 seconds to 100 seconds** Also, created a secure and private file sharing back-end server using **Django and AmazonS3** to serve confidential files to the investors

Google Summer of Code Scholar at OpenMRS

Software Engineering Intern

Remote

May 2017 - July 2017

- **Worked on the Android Client** establishing **feature parity** with the web client and making **UI improvements**.
- Incorporated in-house feedback and bug report system. Also, made the client more efficient. [GSoc Report](#)

ACHIEVEMENTS

- **Winner at INAE Youth Conclave** : Created a mobile application based **fertilizer recommendation system for farmers**. which estimates **soil nutrients** using linear regression on soil legacy data provided by NBSSLUP and farmer's location. Also, implemented a **chat interface** to connect farmers with crop experts and **optimized application** to work on low end phones. [GitHub](#) | [PlayStore](#)
- **Winner at Hypertrack Challenge at Angel Hacks 2018** . : Built a community app for trekkers that adds a treasure hunt for the users. Also used the real-time location and activity data generated by HyperTrack's Movement SDK. [GitHub](#)
- **Second Runner's Up at Inter IIT Tech Meet** : Developed a dashboard for students that enables a student to sync class timetable with Google calendar, book and share cabs, buy and sell things, browse through previous year question papers etc
- **First Runner Up at Microsoft Code.Fun.Do** Used **image processing** to engineer a **smart digital solution for farmers** that detects diseases in plants. Incorporated a platform to house an **integrated marketplace** for farmers that allows them to interact directly with buyers. [GitHub](#)
- **2nd Runner's Up worldwide at Digital Ocean Cloud Hack** : Developed a **telegram chat bot** that allows a user to subscribe to social media updates, download You Tube videos, upload documents temporarily on the cloud etc, from within the application. [GitHub](#)
- **Full scholarship** awarded by **Linux Foundation** to attend **Open Source Summit Europe 2019** for my contributions to Open Source.

PROJECTS

- **Assimilation** : Implemented an **Android application and a web app** for the **official attendance system** of Assimilation program which the official induction program for 2nd year students of IIT Kharagpur, for the session 2018-19. The app has over **800+ downloads** and was **trending on #5** in the events category on playstore. [GitHub](#) | [PlayStore](#)
- **TrafficLite** : Developed a software system for **Kharagpur police** to verify ownership and the documents of a vehicle. A unique **QR code** was generated for every registered vehicle and an Android app retrieved the vehicle information from the QR code.
- **Committer** : The aim of the project was to know what is the **maximum number of commits** GitHub can hold. Till the project was taken down by GitHub, I was able to find out **three issues with GitHub**. [GitHub](#) | [Blog](#) | [Talk](#)
- **Mini-projects**
 - **TrainMan** A simple web app to help you find alternate seat availability on Indian trains for the same route. [GitHub](#) | [Website](#)
 - **WhatsBot** Created a python API for WhatsApp to subscribe to twitter handles for latest updates. [GitHub](#)
 - **HistRock** A historical stock data analysis tool along with real-time stock charts and economic calendar. [GitHub](#)

SKILLS

- **Technical** : Python, Django, Flask, Android, C, C++, R, Java, Dart, Flutter, AWS, HTML, CSS, Javascript

EDUCATION

Indian Institute of Technology, Kharagpur

B.Tech in Agricultural and Food Engineering,; GPA: 6.66

West Bengal, India

July 2015 - April 2019

VOLUNTEER WORK

- **Advisor at Kharagpur Open Source Society**. Organized IIT Kharagpur's, **first Open Source summit** at Kshitij. Over 1000+ students participated.
- Organized **Kharagpur Winter of Code**, a month-long event that introduces and helps student around the country to contribute to Open Source. It had a participation of **900+ students and 50+ projects** in its first installment and **2000+ students** in the year after.
- **Maintainer at MetaKGP** an Open Source organization at IIT Kharagpur.