

# Ayush Goyal

[ayushgoyal.iitkgp@gmail.com](mailto:ayushgoyal.iitkgp@gmail.com) | +91-8768668885 | Website: [defcon007.com](https://defcon007.com) | LinkedIn: [defcon-007](#) | Github: [DefCon-007](#)

## EXPERIENCE

### Postman

Software Engineer - II

Bangalore, India

August 2021 - Present

- Implemented an **eventing system** that allows asynchronous events to go through a complete pipeline that includes an ingestor service, an AWS SNS Broker and finally a consumer to process the events. This reduced interdependence between teams and increased velocity. Presented a **talk** in the **AsyncAPI 2022 conference** on the same. [Talk](#)
- During hackday, designed and developed a **Sentry integration for Postman**. Followed up on it after the hackday and did the product and engineering specs, implementation and release. Currently, this project is in production.
- Evaluated various database options and **implemented a storage solution** for integrations to persist data for integrations during runs.
- Worked on adding sessions construct for the existing **proxy and interceptor feature** allowing users to persist captured requests and play around with them using Postman. This is currently being used by over 7000 users per week.
- Developed a solution to provide **shared authentication** with third party services across various available integrations.
- Designed and developed a feature to run tests in CI pipeline via Postman collections, and then ingest the collection run data back in Postman. This also powered the linking of collection run results with the CI build for all CI integrations.

### Anveshan

Chief Technology Officer

Gurgaon, India

Oct 2020 - June 2021

- Developed the technical component of the startup **single handedly from scratch**. Built an application for operational supply chain using **React-native and Django**. Also, handled the continuous integration and deployment.
- Developed a **custom traceability solution** that allows customers to scan a QR code and get all the details about the product. This decreased the number of customer returns from **20 per month to 0**.
- Built an automated issue tracking system that tracks customer complaints. Earlier, the sales team was using google sheets. This system improved their **productivity by over 70%**.
- Increased website impressions by **3X in two months** by programmatic SEO.
- Developed a solution to enhance customer experience by sending **automated Whatsapp messages** without using the Whatsapp business API. This saved us costs and also allowed us to **gain insights**.
- Apart from the technical aspect, **hired 3 interns and 1 Full Time employee** in the tech department and **trained them**. Worked with third party vendors to figure out how we can benefit from their products.

### Rippling

Software Engineer

Bengaluru, India

May 2019 - Oct 2020

- HackWeek 2019 Winner**: Won company wide annual hackathon by creating a secure, easy to use Google forms alternative for the clients which was included in the product roadmap too.
- Worked 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

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- **Postman to OpenAPI online** : A Next.js web app to **convert postman collections to OpenAPI schema** files securely on the user's browser without any backend infrastructure. [GitHub](#) | [Website](#)
- **Assimilation** : Implemented an **Android application and a web app** for the **official attendance system** of Assimilation program. It has over **800+ downloads**. [GitHub](#) | [PlayStore](#)
- **TraffLite** : 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** : I wanted to know what is the **maximum number of commits** GitHub can hold. Found **three issues with GitHub**. [GitHub](#) | [Talk](#)
- **Mini-projects**
  - **RateMyProfessor** Created an online portal for students to give feedback about professors to make selection of electives offered by them more transparent. [GitHub](#)
  - **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

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- **Programming Languages and Frameworks:** Node.js, Python, C++, JavaScript, Django, Celery, Flask, React-Native, Android, Flutter, Dart
- **Tools:** AWS, Docker, CI/CD, Dokku

## EDUCATION

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**Indian Institute of Technology, Kharagpur**

*Bachelors in Technology*

West Bengal, India

*July 2015 - April 2019*

## EXTRACURRICULAR ACTIVITIES

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- **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.