

SANKALP

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EXPERIENCE

Core Contributor

Remote (Estonia)

OpenWISP

September 2021 – Present

- Contributed to core OpenWISP modules (radius, users, ipam, controller and monitoring based on django and drf).
- Built features and solved many bugs as a result more than 150 pull requests got merged.

Google Summer of Code

Open Source (Remote)

OpenWISP

June 2021 – August 2021

- Improved configuration management, reusable token validation, and added internationalization support, logging, tests.
- Reduced build size by 69% and made content load response time of 250ms (10x faster). Worked on OpenWISP WiFi Login Pages (ReactJS, Redux, Javascript, Python) and OpenWISP Radius (Python, Django, Django rest framework).

Software Engineering Intern

Remote (Bangalore)

Sogage Software Pvt. Ltd.

September 2021 – January 2022

- Worked on pub-sub architecture to create data pipeline and data fetcher to write useful data to bigtable.

Full Stack Developer Intern

Remote (Bangalore)

Snappy INC.

March 2021 – June 2021

- Developed automatic deployment of ML models on AWS in backend using paramiko, boto3, and REST APIs (drf).
- Wrote more than 100 REST APIs in python with proper docs and also worked on tailwind CSS, React, and JQuery.

Season of KDE Student Developer

Remote (UK)

Student Software Developer

January 2021 - March 2021

- Created Data visualization dashboard for the internal promotional team of KDE to manage Twitter, Facebook, Reddit, Mastodon, Instagram, LinkedIn, Youtube, and Popcons stats and analyze it.

PROJECTS

Road Condition Analyzer [Django, Django rest framework (REST API), Tensorflow, OpenCV]

February 2021

- To determine and classify the roads based on their conditions such as potholes, pavement, etc... for visualizing purpose.
- Implemented with Tensorflow and trained it with GRDDC dataset and storing the location with accuracy to analyze it.

OpenWISP WiFi Login Pages [React, Redux, Django, TTag]

August 2021

- It replaces the classic captive portal with better UX/UI with support for multiple organizations and internationalization.
- It can be used as a highly configurable interface for Public / Private WiFi service to manage users through radius server and OpenWISP Radius which supports social and basic authentication with a credit card and mobile verification.

RELEVANT SKILLS

Languages:	Python Javascript Java C SQL HTML/CSS C++
Frameworks:	Django Flask DRF (REST-API) React NodeJS Express Tensorflow Kafka
Platforms:	Linux Web Windows Amazon Web Services Google Cloud Platform OpenWRT Azure
Tools:	Git MySQL PostgreSQL BigTable Selenium Firebase Docker CI/CD
Other Skills:	Leadership Public Speaking Communication Team-Work Management

EDUCATION

G. B. Pant Government Engineering College

New Delhi, India

B.Tech. Computer Science and Engineering | CGPA: 9.2

August 2019 - Expected July 2023

VOLUNTEER EXPERIENCE

Open-Source Leader at Anitab-ORG Open Source Reviewed 70+ pull requests and helped other new contributors.

Lead at CodeChef GBPEC Chapter Conducted guidance sessions and contests to increase student's interest for DSA.

Open-Source Contributor Added many features and fixed bugs in OpenWISP, AnitaB-Org, Zulip.

AWARDS AND ACHIEVEMENTS

ACM ICPC Kanpur regional qualified 2021.

Indian Road Safety Hackathon finalist and demoed the project to the government (Result not declared)

Solved more than 400 DSA and CP questions on many platforms: sankalp@(codechef, codeforces, leetcode and hackerrank).

Secured Global rank of 1240 in CodeChef december challenge out of 30,000 participants.

Became core team member of OpenWISP open-source organization after contributing for more than 6 months.