

# SANKALP

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EXPERIENCE

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## Software Development Engineer Intern

Remote (Bangalore)

*HackerRank*

*July 2022 – April 2023*

- Worked on data science question creation revamp and added support of scoring metrics.
- Integration of AWS console cloud based projects. Added upgrade flow for questions on older stack.

## Core Contributor

Remote (Estonia)

*OpenWISP*

*September 2021 – Present*

- Contributed to core OpenWISP modules (radius, users, ipam, controller and monitoring), increased usage by 25%.

## Google Summer of Code

Open Source (Remote)

*OpenWISP*

*June 2021 – August 2021*

- Improved configuration management, reusable token validation, internationalization, to reduce build size by 69%.
- 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 more than 10K rows per sec to bigtable.

## Full Stack Developer Intern

Remote (Bangalore)

*Snapy INC.*

*March 2021 – June 2021*

- Developed automatic deployment of ML models on AWS in backend using paramiko, boto3, and REST APIs (drf).

## Season of KDE Student Developer

Remote (UK)

*Student Software Developer*

*January 2021 - March 2021*

- Build data visualization dashboard for the promotional team of KDE to manage and analyze social stats of 5 platforms.

## PROJECTS

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### 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... with efficiency of 85%.
- Implemented and trained it using GRDDC dataset (2GB) and stored geolocation with result in database.

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

*August 2021*

- It can be used as a highly configurable interface for Public / Private WiFi service to manage users through radius server and OpenWISP Radius. Reduced the DOM load time by 80 % and integrated support for multitenancy.

## RELEVANT SKILLS

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**Languages:** Python | Go | Javascript | Java | Lua | 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 & GitHub | MySQL | PostgreSQL | BigTable | Selenium | Firebase | Docker | CI/CD

**Other Skills:** Leadership | Public Speaking | Communication | Team-Work | Management

## EDUCATION

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### 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

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

**Lead at CodeChef GBPEC Chapter** Conducted 20+ sessions and contests to increase problem solving interests

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

## AWARDS AND ACHIEVEMENTS

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ACM ICPC Kanpur regional qualified 2021.

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

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.