

ARYAMAN

New Delhi, India

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EDUCATION

G.B Pant Government Engineering College

New Delhi, India | 2019-2023

B.TECH COMPUTER SCIENCE, 9.1 CGPA

SKILLS

Languages: Python, JavaScript, C/C++

Web: HTML, JQuery, CSS, SCSS, Ajax

Framework and Library: Django, Django Rest Framework, Aiohttp, Flask, Hugo, React, Bootstrap, Tailwind CSS

Databases: MySQL, Postgres, MongoDB, SQLite

Platform: Heroku, GCP, Netlify, Github, AWS

Others: Linux, Git, Test-Driven Development, Github Actions, OpenWRT, IT Network Automation, Ansible, Docker, Shell Scripting

WORK EXPERIENCE

GOOGLE SUMMER OF CODE - OPENWISP | SOFTWARE DEVELOPER Github (remote) | June 2022 - Sep 2022

- Developed an Iperf3 check for the [openwisp-monitoring](#) [Project listed here].
- The Iperf3 check is extremely flexible and extensible, as it supports almost all network measurement parameters.
- Added support for multiple client servers and RSA authentication in the Iperf3 check.
- Contributed to additional improvements to the [openwisp-monitoring](#) system, such as enhancing monitoring charts, and monitoring interface.

RAVEN PROTOCOL | FULL STACK DEVELOPER INTERN Bengaluru (remote), India | Aug 2021 – Nov 2021

- Developed web [aiohttp](#) endpoints for [ravsock socket server](#) and **integrated** various modules into it.
- Wrote and developed tests for multiple **REST API endpoints** using **Django rest framework** and **Raven machine learning library (RavML)**, which reduced the **API response time by up to 50%**.
- Designed and implemented Raven dashboard from scratch using **Django** and **Bootstrap** to monitor various workflow of the Raven web modules.
- Migrated and improved [ravviz library](#) to visualize new [ravsock socket server](#).
- Enhanced and fixed React re-usable components, worked on **DApp**, added features such as web3-wallet-integration, **Dockerized** multiple Raven web modules, and created **documentation** for them.

IRSC (SOLVE FOUNDATION) | FULL STACK DEVELOPER INTERN New Delhi, India | June 2021 - Aug 2021

- Developed the complete backend of the [ISAFE](#) app using **Django Web Framework**, **Ajax**, and **Jquery**.
- Built several backend components, including **teams event submissions**, **admin-team chat application**, and other features to improve the performance of the application.

PROJECTS

ROAD CONDITION ANALYZER [RCA] [↗](#)

DJANGO REST FRAMEWORK, TENSORFLOW, OPENCV

Indian road safety hackathon'21 (Finalist)

- A web app that analyses and categorises different roads in India and visualises them on a dashboard.

PYCHAT [↗](#)

DJANGO, AJAX, BOOTSTRAP

- An open source private chat room.

REAL CRYPTO [↗](#)

DJANGO, DJANGO CHANNELS, REDIS, CELERY

- A realtime crypto table based on django channels, redis and celery.

OPEN SOURCE CONTRIBUTIONS

- Active [OpenWISP](#) contributor with over 100+ PR's [All contributions are listed here]
- Among top 5 contributor in [Open source hack'21](#).
- Among top 100 contributor in [Girlsript summer of code'21](#).
- Project Admin and Mentored over 500+ Students in various popular open source programs like [GWOC'21](#), [DWOC'21](#), [SWOC'21](#), [Anitab.org open source day'21](#), [GSSOC'22](#).