

Vishesh Agrawal

agrawal.vishesh.178@gmail.com | github.com/awalvie | awalvie.me

EDUCATION

Nirma University

Bachelor of Technology in Information Technology

Ahmedabad, India

Jul. 2017 – May 2021

EXPERIENCE

SendX.io

Internship

January 2021 – Present

Remote

- Setup monitoring for Sendpost.io from scratch using Prometheus, Grafana and various exporters.
- Wrote wrapper to push necessary metrics from the backend to Prometheus in Golang.
- Setup logging for Sendpost.io using Loki and Promtail.

Major League Hacking

Open Source Fellow

October 2020 – December 2020

Remote

- Contributed to Kiwi TCMS to increase code coverage in Django.
- Won the Halfway Hackthon, for project "mlh-township" in the "Best Community Project" category

Makera

Backend Developer

May. 2020– Oct. 2020

Remote

- Provision REST API routes using Flask.
- Used SQLAlchemy and Marshmallow to manage a PostgreSQL database.
- Deployed and managed production server for both the frontend and backend with NGINX.

Inventum Pvt. Ltd.

Engineering Intern

May. 2019 – June. 2019

Noida, India

- Built, compiled and configured an LFS (Linux From Scratch) distribution.

PROJECTS

anzibl | *Prometheus, Ansible, AWS EC2*

December 2020

- Ansible project to automate provisioning and EC2 instance, deploy a webserver, monitor it using Prometheus and trigger alerts with alertmanager.

mlh-township | *NodeJS, WebSockets, WebRTC, PeerJS, React*

November 2020

- MLH Township harnesses the power of websockets and webRTC to provide the fellows a playground where they can communicate and hang out with each other in the game-like setting of MLH Town.
- Winner in the "Best Community Project" category for the MLH Halfway Hackthon.

CovidAid | *Flask, NGINX, PostgreSQL, SQLAlchemy*

October 2020

- A Hackathon Project made during our first week at MLH. I was responsible for provisioning the backend, written in Flask, writing the core APIs, documenting the APIs and deploying it using NGINX.

tengi | *ANSI C*

- A minimal shell written in C. The goal with the project was to learn how a UNIX shell works and communicates with process and system calls.

lyceum | *ANSI C*

- A Static Site Generator, written with the primary goal of being simple and portable. The project uses no external libraries and build natively on any platform. It renders Text files with metadata about the file on top into plain HTML.

sersim | *ANSI C*

- HTTP Server written in C to locally serve lyceum.

TECHNICAL SKILLS

Languages: Python, C, Golang

Technologies: Django, Flask, Ansible, Prometheus, AWS, Beego

Developer Tools: Git, Docker, AWS, TMUX, Linux

Familiar Languages: Bash, C++

Familiar Technologies: Redis, WebSockets, WebRTC, OpenGL, SDL2