

# Vishesh Agrawal

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## EDUCATION

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### Nirma University

*Bachelor of Technology in Information Technology*

Ahmedabad, India

*Jul. 2017 – May 2021*

### St. Anthony's Sr. Sec. School

*High School*

Udaipur, Rajasthan, India

*Graduated 2016*

## EXPERIENCE

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### Major League Hacking

*Open Source Fellow*

October 2020 – December 2020

*Remote*

- Contributed to Kiwi TCMS to increase code coverage in Django.
- Participated in and won the Halfway Hackthon, with our project mlh-township in the "Best Community Project" category

### Makers

*Backend Developer*

May. 2020– Oct. 2020

*Remote*

- Provision API routes with a backend written in Flask.
- Created tables and their internal relations. Wrote queries for communication between frontend and backend servers in PostgreSQL.
- Deployed 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

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### anzibl | *Prometheus, Ansible, AWS EC2*

December 2020

- Use ansible to provision an EC2 instance.
- Install requisite software
- Deploy a webserver written in Go
- Monitor the webserver with Prometheus and send emails when an endpoint stops working or the server isn't responding.

### 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 builds 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

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**Languages:** Python, C

**Technologies:** Django, Flask, Ansible, Prometheus, AWS EC2

**Developer Tools:** Git, Docker, VIM, TMUX, Linux

**Familiar Languages:** Golang, Bash, C++

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