

# ASEEM MANNA

✉ [hello@aseemmanna.me](mailto:hello@aseemmanna.me) 🔗 [aseemmanna.me](https://aseemmanna.me) 🌐 [github.com/coolfool](https://github.com/coolfool)

## EDUCATION

---

### Savitribai Phule Pune University

*Bachelor of Engineering - Information Technology - CGPA - 8.97*

07-2019 – Present

*Pune, India*

## PROJECTS

---

### Ravager 🔗 | Python, Flask, Celery, SQLAlchemy, Redis, Heroku, Docker

04-2020

- A telegram bot created in python that downloads content in the form of torrent and direct download links and mirrors them 1:1 to google drive
- Used Celery with Redis as message queue for concurrent download, upload and scheduled tasks
- Used Flask with Gunicorn for OAuth2 with google and Python-telegram-bot
- Created Multi-arch Docker image with multi-stage build process for reducing the image size

### FlareUp 🔗 | Golang, Heroku, Docker

01-2022

- Self-hosted and Easy-to-deploy Cloudflare based Dynamic DNS service for router.
- Concurrent updates to multiple domains using goroutines
- Used Heroku for one-click deploy and created multi-arch docker image

### Aurishem 🔗 | Python, JavaScript, Linux

02-2022

- Safe and Easy way to build and install packages directly from Arch User Repository
- Used polkit for gaining elevated permissions and pydbus for notifications
- Created browser extensions for Mozilla Firefox and Google Chrome

### Casadora 🔗 | Terraform, Ansible, Oracle Cloud, Docker, Linux

04-2022

- Deploy Home Server on Oracle Cloud using Terraform and Ansible
- Used and Configured Traefik as a reverse proxy for the services
- Created Ansible scripts for deployment and used Terraform for creating networks, instance and domain records on Oracle Cloud

### Vaayu 🔗 | Node.js, ReactJS, Mapbox

05-2022

- Interactive world map for getting air quality index of any location on earth by clicking on the map
- Created using ReactJS with Mapbox as map provider, Chakra-UI for UI components and RecoilJS for state management
- App hosted on Vercel behind Cloudflare proxy at [vaayu.coolfool.me](https://vaayu.coolfool.me)

## TECHNICAL SKILLS

---

**Languages:** Python, Golang, JavaScript, C++

**Technologies/Frameworks:** Flask, SQLAlchemy, Celery, Node.js, ElectronJS, ReactJS

**Databases:** PostgreSQL, SQLite, MongoDB, Redis

**DevOps & SDLC:** Git, Docker, Nginx, Traefik, Kubernetes, Terraform, Ansible, Github Actions

**Platforms:** Linux, Web, Heroku, Cloudflare, Amazon Web Services, Oracle Cloud, GCP, MS Azure

## COURSEWORK

---

- |                                |                                |                              |
|--------------------------------|--------------------------------|------------------------------|
| • Data Structures & Algorithms | • Computer Networks & Security | • Database Management System |
| • Operating Systems            | • Cloud Computing              | • Web Development            |

## INTERESTS

---

Capture-the-flag, Competitive E-Sports