

ASEEM MANNA

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EDUCATION

Savitribai Phule Pune University

Bachelor of Engineering - Information Technology - CGPA - 8.95

07 2019 – Present

Pune, India

PROJECTS

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
- Added One-click-deploy option for Heroku and Multi-arch docker image for fast and consistent deployment

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

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 for reducing the image size

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**

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

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, Google Cloud Platform, Microsoft Azure

COURSEWORK

Academic: Data Structure & Algorithms, Web Application Development, Database Management System, Computer Networks and Security, Cloud Computing

Other: AWS Cloud Practitioner Essentials, Google Cloud Fundamentals: Core Infrastructure, Kubernetes for the Absolute Beginners (KodeKloud)

INTERESTS

Capture-the-flag, Competitive E-Sports