Aseem Manna

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EDUCATION

Savitribai Phule Pune University   07 2019 – Present
Bachelor of Engineering - Information Technology - **CGPA - 8.95**   *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 notfications
- 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

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, Treafik, 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