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EDUCATION

B. Tech in *Information Technology* at **Alliance University**, Bangalore.

Graduation date: June 2020; 8 total semesters

SKILLS

- **Programming:**
  - Python, HTML/CSS, JavaScript, TypeScript, Lua, Go, Rust, Java
  - React, Redux, Mithril.js, Flask, numpy, OpenGL, Quarkus
  - Version Control using Git & CI with Travis
- **Linux:**
  - System management and administration (partitioning, managing block devices, storage management)
  - Automation using Ansible
- **Containerization:**
  - Create, build container images with Docker, Podman, Buildah & inspection using Skopeo
  - Orchestration using Kubernetes, OKD(OpenShift)
  - Deployment and Integration using Tekton, Knative
  - Application packaging using Helm

EXPERIENCE

Software Engineering Intern @ RedHat   September 2019 - February 2020

HTML/CSS | TypeScript | Quarkus | Kubernetes | OpenShift | Tekton | Knative | CodeReady

- Worked on the Emergency Response Demo project, the showcase application of OpenShift and RedHat's Middleware stack.
- Created a component of the application frontend using React + TypeScript and implemented a backend microservice for providing RESTful API using Quarkus.
- Utilized OpenShift's application runtimes and the middleware stack to deploy the application.
- Implemented CI/CD using Tekton Pipelines and Knative Serverless, utilized RedHat's CodeReady workspaces to provide a clound-native development environment, and packaged a component of the application using Helm Charts.

Google Summer of Code 2019 @ Retroshare project(Freifunk)   May 2019 - August 2019

HTML/CSS | JavaScript | Mithril.js | C++

- Worked on Retroshare(retroshare.cc), decentralized & privacy-centered peer-to-peer social networking platform as part of the GSoC Program.
- Implemented an alternate interface to Retroshare from scratch, utilizing the Mithril.js library to create a responsive, accessible web-based application to integrate inside of the Retroshare desktop client, utilizing the Service JSON API to communicate data.

RECENT PROJECTS

Vimkubectl

Vimscript

- Vim and NeoVim plugin to view, delete, edit, update and manage any valid Kubernetes resource from within Vim.
- Provides a set of mappings and custom commands to interface with a Kubernetes cluster.

ACHIEVEMENTS AND HOBBIES

- **Hackerupt hackathon**: 1st place for collaborating and developing an educational game using Unity3D for the Xbox Kinect.
- Active contributor to Retroshare's new redesigned Web Interface.
- I enjoy tinkering Linux and BSD installs and as a result have a good level of familiarity with *nix systems, from partitioning and patching the Kernel to customizing window managers to across-the-board tweaks.