Ajay Tripathi

Software Developer
Last updated: 20 May 2019

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EXPERIENCE

Google Summer of Code, OpenWISP — DevOps
May 2019 – September 2019 (expected)

The project aims to solve the problem of complex deployment of OpenWISP application by dockerizing the OpenWISP modules to give users plug-and-play docker images that are compatible and ready to run in kubernetes clusters simply by changing the environment variables.

IIT Bombay, FOSSEE Fellowship — *Full Stack Developer*
May 2018 – July 2018

Site optimization: About 60% less data requirement for users for downloading by enabling smart delivery of content.
Web Development: Using Django, added the features to edit / show user testimonials on the main site of spoken-tutorial project.

VOLUNTEER

Google Code-In 2018 — Mentor
OpenWISP Mentor for teenagers to introduce them to programming and OpenWISP development. I was honoured & invited to an all-expenses paid trip to the Google HQ in California for my efforts as a mentor. 765 reviews in 3 months - Organization ranked #1 by number of tasks completed. 950+ students participated and benefitted from the combined effort of 9 mentors.

OpenWISP — Open-Source Contributor
Contributed to code development of OpenWISP, an open-source Network Management suite for large networks. Learned to write easily maintainable code under the guidance of experienced developers and learned to coordinate with developers from different places around the world. I have worked on ansible-openwisp2 and controller (django) modules to add various features and fix bugs.

PERSONAL PROJECTS
(Many more projects on mentioned skills available on Github)

Lookbook — Modern Frontend Workflow: Using modern front-end development tools like static jinja, created a reusable profile information website that is highly performance optimised and follows latest recommendations and guidelines. Learned to make progressive web applications & best practices in frontend development.

Detect Fake News — *Application Development/SysAd:* Learned to work in a team development environment. Efficiently Scrapped news articles from various sources. Collected about 12 million records by deploying the scripts on Amazon EC2 instance. Used Machine Learning to classify and categorize the news collected and tested various techniques for getting the best results.

Synapse — *DevOps:* Created ansible script for automation of installation of matrix-synapse and made it available open-source on ansible galaxy. It serves as basis for installation of matrix for multiple organizations and individuals.

SKILLS

Web Technologies: HTML, CSS, SASS, Javascript, node.js, Django, Flask, Progressive Web Applications

Programming Languages: Python, C, C++, Shell, Lua

System Administration: Linux Systems, Ansible, Vagrant, Docker, Terraform, Kubernetes, Docker.

Others: Git, Web Scraping, Machine Learning, SQL

EDUCATION

Cisco Certified Network Associate Course — *Routing and Switching*
AUGUST 2018 — MAY 2020 (Expected)

Amity University, Noida — *Bachelors Of Computer Science & Engineering*
AUGUST 2016 — MAY 2020 (Expected)
Specialization: Networking

- Helped in establishing a Linux User Group (ALiAS) and mentored many students.
- Gained experience in public speaking by giving technical talks.
- Key roles in event management for various events for the Community.

Ryan International School, Noida — *Secondary School*
APRIL 2014 — APRIL 2016
Specialization: Science

- Inter school Football Player
- Roller Skating City level
- HelpAge India Volunteer

LANGUAGES

English, French (Basic), Hindi (Only Speaking)