Ajay Tripathi

Software Developer
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EXPERIENCE

Google Summer of Code, OpenWISP — DevOps

6 May 2019 – 27 August 2019

Tech: Shell, Docker, Kubernetes, AWS, GCE, Terraform, Python, Django

- Significantly reduced OpenWISP installation complexity by providing customizable docker images.
- Reduced setup time from hours to minutes by auto-setup scripts of commonly required features.
- Deployed on kubernetes clusters on AWS, GCE and OpenWISP rancher instance.

IIT Bombay, FOSSEE Fellowship — Full Stack Developer

May 2018 – July 2018

Tech: JavaScript, JQuery, Django, Python, ffmpeg

- Site optimization: About 60% less data requirement for users for downloading by enabling smart delivery of content.
- Web Development: Django website site improvements and feature additions to improve user experience.
- Scripts to convert 1000s to videos in spoken library using ffmpeg & shell to optimize server space utilization without downtime.

VOLUNTEER

Google Code-In 2018, OpenWISP — Mentor

Mentored teenagers to make open-source project contributions by introducing them to technologies required in OpenWISP development. Invited to Google HQ in California for my work as a mentor.

OpenWISP — Open-Source Contributor

Core development team of OpenWISP Network Management suite for large networks. Learned to write easily maintainable code from experienced developers and learned soft-skills to work with developers.

PERSONAL PROJECTS

(Many more projects on mentioned skills available on Github)

Lookbook — *Modern Frontend Workflow:* Uses modern frontend technologies to create a reusable website that is highly optimised for best performance and follows latest recommendations & best practices in frontend development.

Detect Fake News — *Application Development/SysAd:* Efficiently scrapped news articles from various sources to Amazon EC2 instance. Used Machine Learning to classify and categorize the news collected and tested various techniques for getting the best results.

SKILLS

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

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

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

Others: Git, Web Scraping, 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

- Co-founded College Linux User Group (ALiAS).
- Gained experience in public speaking by giving technical talks.
- Key roles in management for various events for the Community.
- Developed community spirit and mentored many students in technical skills.

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)