

Ayush Sharma

B.Tech | Information Technology | RHCSA

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Skills:

Programming: Python(Proficient) | C | Java

Web Technologies: HTML5 | CSS3 | JavaScript | JQuery | Php

Cloud Platforms: Amazon Web Services | OpenStack | Google Cloud Platform

Version Control: GIT | Github

O.S.: Red Hat Enterprise Linux(Proficient) | Windows | MacOS

Embedded Electronics: Raspberry PI

Containers: Docker Swarm Cluster | Kubernetes

Servers: SSH | FTP | Apache Web Server | NFS | Nginx

Databases: MySQL | MariaDB

Experience:

Lotus Dairy Products Private Limited, Jaipur (Raj.) - Intern

December 2017 - January 2018

LinuxWorld Informatics Pvt. Ltd, Jaipur (Raj.) - Intern

June 2017 - July 2017

- Automate Deployment of Cloud Computing and Virtualization with Containerized Docker Integration on Linux System Using Python and Provisioned by DevOps : Own Cloud Infrastructure with Operational Intelligence Tool - Splunk

LinuxWorld Informatics Pvt. Ltd, Jaipur (Raj.) - Intern

June 2016 - July 2016

- One Click Server Setup and Linux Automation with the use of Python TUI
- RHCSA & RHCE Training

Education:

Manipal University, Jaipur - B.Tech [Information Technology]

August 2015 - Present

7.77 CGPA

St. Xaviers Sr. Sec. School, Jaipur - Senior Secondary CBSE

March 2013 - March 2015

70% 12th

March 2003 - March 2013

7.2CGPA 10th

Projects:

- **Nebula: Python Based Cloud Service Provider:**
 - ◆ Implemented this project in a team of 5 during summer internship.
 - ◆ This project provides services like Storage[Block & Object], Software, Platform, Infrastructure, and Containers as a service over a user friendly UI designed using web-technologies HTML5, CSS3, JS, Ajax and backend on Python-cgi and mariadb.
- **Stardust- A Multi Cloud Data Vault: [Raj. Govt. DST Funded]**
 - ◆ A fully automated Python-cgi based web app which efficiently encrypts the user data (using Cryptographic Algorithms like SHA256, RSA and Public Private key pairs) & stores encrypted data over 3 different cloud storage providers in a single click.
- **Pothole Detection System:**
 - ◆ Used Raspberry Pi, AWS RDS, Google Maps API, Paired with an Android Device to display and notify user about the nearest potholes.
- **Python Facial/Object Recognition:**
 - ◆ Using Python OpenCV module and its haar cascades classifier for facial detection and recognition.
- **Container Based Load Balancer:**
 - ◆ Python-cgi based web app which uses docker to deploy and configure Nginx server for a Website.
 - ◆ System can be used to prevent the crashing of a website in case of huge traffic.

Achievements & Extra Curricular:

- Scored 300/300 in Red Hat Certified System Administrator exam. Valid till 2021. Certification ID: **180-008-328**
- Organising Committee Member in International Conference on Intelligent Communication and Computational Techniques 2017.
- President, School's Official IT Club.

Relevant MOOC Courses & Workshops:

1. **OpenStack RHOSP-10 by Vimal Daga:** Complete Installation, configuration, and maintenance of latest Red Hat OpenStack Platform 10 [CL-110 and CL-210] hands on training conducted by Sr. IT Consultant & Corporate Trainer Mr. Vimal Daga.
2. **Automate the Boring Stuff with Python by Al Sweigart on Udemy:** Explored Basic Python concepts as well as, Web scraping, Parsing PDFs and spreadsheets, Automating the keyboard and mouse, Sending emails and text & several other practical topics.
3. **The Complete Ethical Hacking Course by Ermin Kreponic on Udemy:** Tor, Proxychains, VPN, Macchanger, Nmap, cracking wifi, aircrack, DoS attacks, SLL strip, known vulnerabilities, SQL injections, cracking Linux passwords.
4. **Programming for the Web with JavaScript by Chris Murphy University of Pennsylvania on EdX:** Learned how to develop dynamic, interactive, and data-driven web apps using JavaScript.
5. **Ethical Hacking workshop by Ankit Fadia.**
6. **AWSomeday Online Conference:** Four hour webinar series covering topics like Amazon EC2, Amazon S3, Networking Concepts, Amazon VPC, AWS IAM including users, groups, roles and policies, Amazon RDS, Amazon DynamoDB, Auto Scaling concepts, Elastic Load Balancing concepts ,AWS Management tools including CloudWatch.