

Riya

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Experience

RedHat

ASSOCIATE SOFTWARE ENGINEER

Bangalore

Apr 2020 - Present

- Working on transforming the whole infrastructure of pbench from shell script to python.
- Building Command line Interface for pbench using click
- Worked on building a server
- Link to contributions: [here](#)

Red Hat

SOFTWARE ENGINEERING INTERN

Bangalore

Jul 2019 - Apr 2020

- Worked on **Pbench** (A benchmarking and performance analysis framework)
- Transformed the logging system from client side to server side using **rsyslog**
- Merged Configtools (A Distributed-system-analysis Project) into Pbench
- Enhanced functionality of Indexing script to feed data into Elasticsearch
- Enhanced the functionality of Pbench, fixed bugs and improved code

Projects

Celestial Bodies Detection using Machine Learning

Major

SIMPLE TRANSFER LEARNING WITH AN INCEPTION V3 ARCHITECTURE MODEL. [PROJECT LINK](#)

- TensorFlow Image Classifier that can be used to classify whether an image is of a Planet, Galaxy, Satellites, Comets, Etc.

Virtual Assistant

Minor

A LINUX BASED VIRTUAL ASSISTANT USING ARTIFICIAL INTELLIGENCE IN C ON LINUX OS. [PROJECT LINK](#)

- Developed Simplified version of “Multinomial Naive Bayes” algorithm for text recognition.
- Find Restaurants, Search Google or Youtube, Fetch weather information, Play multimedia files.

Open Source

2019 **Nuitka**, Contributed to **Nuitka** - a project of Python Software Foundation

[Github](#)

2018-21 **Hacktoberfest2018-2021**, Successfully accomplished Hacktoberfest 2018-21

[Github](#)

Skills

Programming

Proficient: Python, Shell Script

Prior Experience: C, C++, Java

Web: HTML, CSS, PHP, XML

Others

Linux, \LaTeX , Git

Honors & Awards

2019 **Perf and Scaling Team**, Earned Reward points for Focus on team and being a quick learner.

Red Hat

2017 **MINDSWEEPER**, Secured top 5 Rank in a coding event during Cognizance.

IIT, Roorkee

2017 **PROJECT EXPO**, Secured 1st Position for Best Minor Project in University among 200 projects.

UPES

2018 **Awarded**, Grade O (Exceptional Achievement) in Minor 1, Minor 2 and Major 1 projects at SoCS.

UPES

Research Work

Linux Based Virtual Assistant in C

INTERNATIONAL JOURNAL OF ADVANCE RESEARCH, IDEAS AND INNOVATIONS IN TECHNOLOGY

Volume-6, Issue-1

Education

UPES (University of Petroleum and Energy Studies)

Dehradun, India

B.TECH IN COMPUTER SCIENCE ENGINEERING WITH SPECIALIZATION IN OPEN SOURCE AND OPEN STANDARDS

2015 - 2019