

# Riya

COMPUTER SCIENCE UNDERGRADUATE

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| 🏠 [riya-17.github.io/](https://riya-17.github.io/)

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## 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

## Projects

### Music playlist generation and recommendation

Ongoing

GENERATE PLAYLIST ACCORDING TO USER'S TASTE OF MUSIC AND RECOMMEND NEW SONGS ON LINUX OS

### Celestial Bodies Detection using Machine Learning

Major 1

DETECT GALAXIES, STARS, COMETS, PLANETS, ETC. [LINK TO THE PROJECT](#)

- It uses CNN to analyse the provided galaxy image and classify whether it is elliptical or spiral or planet.

### Neural Artistic Style Transfer

Self Project

TRANSFER STYLE OF A DESIGN IMAGE TO THE CONTENT OF AN IMAGE. [LINK TO THE PROJECT](#)

- It uses Convolutional Neural Network to analyse the content of the image and style of the design image.

### Personal Digital Assistant

Minor 2

A PERSONAL DIGITAL ASSISTANT FOR ANDROID THAT CAN PERFORM USER'S TASK GIVEN IN NATURAL LANGUAGE.

[LINK TO THE PROJECT](#)

- Directions, Find Restaurants, Weather forecast, Wikipedia, Call & text, Timer, Google, Camera, Open Apps & websites, YouTube

### Virtual Assistant

Minor 1

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

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

## Experience

### Intel - UPES

Jun 2018 - Aug 2018

ML AND AI INTERN

- **Project** : face Recognition, detects the face of a person using Convolutional Neural network and OpenCV.

### Hackr.io

June 2017 - Aug 2017

WEB DEVELOPMENT INTERN

- Developed front-End Prototype for Hackr.io (<https://riya-17.github.io/PrototypeForHackr.io/>)

## Open Source

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

[Github](#)

2018 **Hacktoberfest2018**, Successfully accomplished **Hacktoberfest 2018**

[Github](#)

2018 **Open Genus**, Contributor and member of **Open Genus**, an open source organization

[Github](#)

## Research Work

### Linux Based Virtual Assistant in C

IEEE TRANSACTIONS ON COMPUTERS

under review

## Skills

### Programming

*Proficient:* Java, Python

*Prior Experience:* C, C++

*Web:* HTML, CSS, PHP, XML, Jinja

### Others

Linux,  $\text{\LaTeX}$ , Android, Git, SQL, TensorFlow, NumPy, Dlib

## Honors & Awards

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

IIT, Roorkee

2017 **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

**Hackerrank**, Hackerrank Username - [riya\\_17](#)