

# Riya

COMPUTER SCIENCE UNDERGRADUATE

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"We Either Succeed or Learn."

## 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

### Celestial Bodies Detection using Machine Learning

Major 1

DETECT GALAXIES, STARS, COMETS, PLANETS, ETC.

Ongoing

### Neural Artistic Style

Self Project

TRANSFER STYLE OF A DESIGN IMAGE TO THE CONTENT OF AN IMAGE.

- An implementation of neural style in TensorFlow.
- It uses Convolutional Neural Network to analyse the content of the image and style of the design image.

Link to the project - **Neural Artistic Style Transfer**(<https://github.com/riya-17/CNN>)

### Personal Digital Assistant

Minor 2

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

- Show directions on map, Find restaurants, Weather forecast, Fetch information from Wikipedia for any question, Call & text (WhatsApp too) Anyone, Set Timer, Google Search, Camera, Open Apps & websites, Play video on YouTube

Link to the project : **Personal Digital Assistant** (<https://riya-17.github.io/Personal-Digital-Assistant/>)

### Virtual Assistant

Minor 1

A LINUX BASED VIRTUAL ASSISTANT ON ARTIFICIAL INTELLIGENCE IN C

- Developed Simplified version of "Multinomial Naive Bayes" algorithm for text recognition.
- Find restaurants in an area using Google Geocoding and Places APIs, Search anything on Google or Youtube, Fetch weather information of any place, Play multimedia files.

Link to the project : **Virtual Assistant** (<https://github.com/riya-17/Virtual-Assistant>)

### Prototype for Hackr.io

INTERNSHIP PROJECT

- A Prototype website for Hackr.io. It is a site that consists of online programming courses and Tutorials.

Link to the project : **prototype for Hackr.io** (<https://riya-17.github.io/PrototypeForHackr.io/>)

## Experience

### Intel

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

## Skills

### Programming

*Proficient:* Java, Python     *Prior Experience:* C, C++, C#

### Machine Learning

TensorFlow, NumPy, SciPy, OpenCV, Dlib

### Web

PHP, JavaScript, HTML, CSS, JavaScript, XML

### Others

Linux,  $\text{\LaTeX}$ , Android, Git, SQL

## Research Work

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### Linux Based Virtual Assistant in C

IEEE TRANSACTIONS ON COMPUTERS

*under review*

## Honors & Awards

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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*

## Extracurricular Activity

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2017 **Github**, Contributor and member of **Open Genus**, an open source organization

**Hackrrank**, Hackrrank Username - **riya\_17**