Riya

COMPUTER SCIENCE UNDERGRADUATE

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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*
2019	**Algo_Ds_Notes**, Contributed to **Algo_Ds_Notes** - a project of **RAILS GIRLS SUMMER OF CODE**	*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, 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**	