Dhruva Sambrani

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# Education

## 12th Grade | Apr 2018 | Primus PU College

* Physics: 99
* Math: 94
* Chemistry:95

## 10th grade | Mar 2016 | Prakriya Green Wisdom School

* Science: 94
* Math: 95

# Other Academic and Extra-Curricular Endeavors

## Built The iiser m App for android - 2019

* I created a majority of the Unofficial IISER-M App for Android. A PC version of the same is also underway.

## Attended Machine learning and ai Workshop held by iit-r - 2019

* I participated in the Workshop held in PU in January 2019. The workshop dealt with standard machine learning algorithms in Python.

## Mimamsa Center toppers

* My team was the centre topper in Mimamsa 2019, a Science quiz conducted by IISER-P.

## KVPY

* Hold a KVPY Fellowship
* Qualified KVPY SA, SX, SB with a rank of 600, 1118 and 24 respectively

## Vijyoshi - 2017

* Attended the Vijyoshi camp in December 2017 against KVPY SA rank

## Teaching underprivileged Children as part of RTE Act - 2016

* As a way to give back to the community, I taught underprivileged children English and Mathematics for two weeks in my school in 2016. The group involved two children, both of whom had learning disorders.

## Knowledge of Multiple Coding Languages

* I know C++ and actively code in Python, Java (Android). I also am presently learning Julia.

# Experience

## [Black body radiation in special relativistic frames](https://drive.google.com/open?id=1SUXEIbxQrgqxj7s2yDoSv4weO_yqTIHB) | JS Bagla | Winter 2018

* As part of my winter project, I took up a project in Special Relativity under JS Bagla, wherein I looked at how Black Body Radiation transforms in a frame that is moving uniformly with respect to the source. We see that the radiation is no more uniform, leading to a force on the particle. The quantitative analysis of this force is a topic that I am still pursuing.

## [Earthian awards](https://drive.google.com/file/d/0B8vd4YD-FkfkUmZhUVUwQU53NzdORGpneTlQbE5kaEhNYlRj/view?usp=sharing)| Wipro-prakriya | Sept-Dec 2014

* Wipro LTD. organises “[The Earthian Awards](http://wiprofoundation.org/earthian)” as part of their CSR initiative which involves teams from schools and colleges submitting a research report on the broad topic of the year. Our report dealt with the lakes of Bengaluru and how rapid industrialisation and urbanisation, coupled with unempathetic public policies, have led to declining quality and quantity of the natural resource.