

# ALANKAR DUTTA

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Date of Birth: 1996-02-20



## ABOUT

Currently a second year Integrated PhD (Masters+PhD) student at Indian Institute of Science, Bangalore, India working in Computational Astrophysics, especially on the study of cloud dynamics in Astrophysical system.

Have a fair amount of knowledge on the fundamentals of Physics which I have acquired in the past six years as a part of my undergraduate and masters coursework at IISc (Indian Institute of Science).

Can converse in Bengali, English and Hindi.

## EDUCATION

**2012**

**ICSE**, RAM MOHAN MISSION HIGH SCHOOL, KOLKATA, INDIA

Passed Class X examination (Council for the Indian School Certificate Examinations, India) on 2012 (Obtained 97.40%)

**2014**

**ISC**, RAM MOHAN MISSION HIGH SCHOOL, KOLKATA, INDIA

Passed Class XII examination (Council for the Indian School Certificate Examinations, India) on 2014 (Obtained 93.75%)

**2017**

**BSC**, PRESIDENCY UNIVERSITY, KOLKATA, INDIA

Passed Bachelor of Science in Physics (Major) from Presidency University, Kolkata, India on 2017 (CGPA 8.13 in Major and 8.20 in non-major)

**2017-**

**INTEGRATED PHD**, INDIAN INSTITUTE OF SCIENCE, BANGALORE, INDIA

Currently enrolled as Integrated PhD student at Indian Institute of Science, Bangalore, India having completed the Masters coursework (CGPA: 8.8)

## SKILLS

- Good grasp on applying on Physics in open problems
- Have fair amount of knowledge on Numerical methods and Computation
- Can code proficiently in Python, C and C++
- Have decent mathematical skills required for addressing applied problems

## CONFERENCES/SCHOOLS/WORKSHOPS

### 2019:

Attended a one-month long school called “Cosmology: The Next Decade” at International Centre for Theoretical Sciences (ICTS), Bangalore, India

## PUBLICATIONS

### 2018:

Mean Occupation Function of High Redshift Quasars from the Planck Cluster Catalog, Chakraborty, Priyanka, Chatterjee, Suchetana, Dutta, Alankar, Myers, Adam D. (DOI: 10.1088/1538-3873/aaab3e) at Publications of the Astronomical Society of the Pacific, Volume 130, Number 988

### 2017:

X-ray Environments of Supermassive Black Holes (DOI: 10.13140/RG.2.2.26190.97606)

## REFERENCES

**Prof. Suchetana Chatterjee**, Assistant Professor, Presidency University, Kolkata, India

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**Prof. Prateek Sharma**, Associate Professor, Indian Institute of Science, Bangalore, India

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