

## Mrugank Dake

Cognition and Perception Program, Department of Psychology,  
New York University.

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### Education:

Degree	Institute	GPA
PhD	New York University (NYU)	(3.9) *Ongoing
Integrated BS-MS	Indian Institute of Science Education and Research (IISER) Tirupati	8.1 (scale of 10)

### Research Experience:

Sept 2021 till date	Causal Investigation of early visual cortex in Working Memory; Dr. Clayton Curtis, NYU
July 2020 to May 2021	Masters Thesis: Statistical and Machine learning approaches to Squirrel Acoustics; Dr. Nandini Rajamani, IISER Tirupati
Dec 2019	EEG and MRS Analysis for Behavioral Study on Attentional Blink; Dr. Sridharan Devarajan, IISc Bangalore
Nov 2018 to Nov 2019	iGEM 2019 Project "CoCa coli: designing a colon cancer targeting <i>E. coli</i> "; Prof. B J Rao and Dr. Raju Mukherjee, IISER Tirupati
June 2019 to July 2019	Behavioral Paradigm for the study of Attention; Dr. Sridharan Devarajan, IISc Bangalore
Sept 2018 to Nov 2019	Isolation and characterization of neurons and glial cells from goat hippocampal primary culture; Dr. Vasudharani Devanathan, IISER Tirupati
May 2018 to July 2018	Identifying differentially expressing Tumor Suppressor Genes in <i>Drosophila melanogaster</i> Wing and Haltere Imaginal Discs; Prof. L S Shashidhara, IISER Pune
Feb 2018	RNA Origami (Square); Dr. Ashwani Sharma, IISER Tirupati
May 2017 to July 2017	Head Direction Cell Model for Rodents with Internal Updating Mechanism; Dr. Collins Assisi, IISER Pune

## Special Achievements :

<b>2020</b>	Team Mentor for International Genetically Engineered Machine (iGEM) Manav Rachna Institute 2020: iBEC 2020 Grant
<b>2019</b>	Student Team Leader for International Genetically Engineered Machine (iGEM) IISER_Tirupati 2019: iBEC 2019 Grant and Gold Medal at Giant Jamboree
<b>Dec 2016</b>	Participant at KVPY Vijyoshi National Science Camp, Indian Institute of Science (IISc)
<b>Since 2016</b>	Innovation in Science Pursuit for Inspired Research (INSPIRE SHE) Scholar
<b>2015</b>	Indian National Brain Bee (INBB) Pune Regional Winner and Ranked 5th at National Level held in Delhi

## Teaching Experience:

<b>April 2020 to Aug 2021</b>	Statistics Managed Network Expert at Chegg India
<b>Dec 2019 to Feb 2020</b>	Biology Internship at Sanfoundry, Sanfoundry's Global Learning Initiative
<b>Sept 2019 to Aug 2021</b>	Biology Managed Network Expert at Chegg India

## Club/Society Memberships:

<b>Jan 2017 to Nov 2017</b>	Co-ordinator at Shemushi (Quiz Club), IISER Tirupati
<b>2016</b>	Disha Member (Student Outreach Club of IISER Pune)
<b>2016 to 2020</b>	Co-ordinator at Bio wissen (Biology Club), IISER Tirupati

## Other Skills:

1. Python and Matlab Programming
2. EEG Data Analysis
3. Molecular Biology and Cellular Biology Techniques
4. *Drosophila* culture and genetics
5. Mammalian cell culture