

## 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)   | (3.89/4)<br>Ongoing |
| Integrated BS-MS                  | Indian Institute of Science Education and Research (IISER) Tirupati | 8.1                 |
| Higher Secondary Schooling (12th) | Fergusson College, Pune   | 86.00 %             |
| Secondary Schooling (10th)        | Dnyanganga English Medium School, Pune                              | 95.60 %             |

### Research Experience:

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|---------------------------|---|
| Sept 2021<br>till date    | Role of early visual cortex in visual working memory; Prof. Clayton Curtis, NYU   |
| July 2020 to<br>May 2021  | Masters Thesis: Statistical and Machine learning approaches to Squirrel Acoustics; Dr. Nandini Rajamani, IISER Tirupati   |
| Dec 2019                  | Preliminary EEG and MRS Analysis for Behavioral Study on Attentional Blink; Dr. Sridharan Devarajan, IISc Bangalore   |
| Nov 2018 to<br>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<br>July 2019 | Behavioral Paradigm for the Study of Attention; Dr. Sridharan Devarajan, IISc Bangalore   |
| Sept 2018 to<br>Nov 2019  | Practicing Cell culture and Molecular biology techniques with special emphasis on hippocampal primary culture; Dr. Vasudharani Devanathan, IISER Tirupati         |
| May 2018 to<br>July 2018  | Identifying differentially expressing Tumor Suppressor Genes in <i>Drosophila melanogaster</i> Wing and Haltere Imaginal Discs; Prof. L S Shashidhara, IISER Pune |

|                              |  |
|------------------------------|--|
| <b>Feb 2018</b>              | RNA Origami (Square); Dr. Ashwani Sharma, IISER Tirupati   |
| <b>Sept 2017 to Nov 2017</b> | Basic Molecular Biology Techniques using <i>Arabidopsis</i> ; Eswarayya Ramireddy, IISER Tirupati      |
| <b>May 2017 to July 2017</b> | 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:**

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|-------------------------------|---|
| <b>Jan 2023 to May 2023</b>   | Teaching Assistant for Linear Systems with Dr. Larry Maloney, NYU         |
| <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:**

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|-----------------------------|--|
| <b>Feb 2023 to May 2023</b> | Website Coordinator for Climatedmatch Academy 2023   |
| <b>Jan 2017 to Nov 2017</b> | Co-ordinator at Shemushi (Quiz Club), IISER Tirupati |

**2016**

Disha Member (Student Outreach Club of IISER Pune)

**2016 to 2020**

Co-ordinator at Bio wissen (Biology Club), IISER Tirupati