

# Prajwal V Bharadwaj

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Personal Website: <https://blackthorne18.github.io>

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## Research Experience

**Max Planck Institute for Evolutionary Biology, Plön** - Plön, Germany

August 2020 - April 2022 (ongoing)

**Project:** Understanding movement patterns and duplication rate of REPIN Transposable Elements in *Pseudomonas* genome sequences

- Created Bioinformatic tools using Python Programming Language to test all hypotheses
- Grouped/Clustered REPIN Sequences together based on orthology i.e. their position in the genome
- Established events of duplication of REPIN Sequences based on the Clusters and calculated their rate of duplication

**Indian Institute of Science** - Bangalore, India

May 2019 - July 2019

**Project:** Characterization of the natural history of the pentatomid fig bug - an understudied bug camouflaging on fig syconium

- Standardised methods to study the pentatomid fig bug in the laboratory and identified the life cycle of the fig bug
- Conducted experiments to study the behavior of the bug in relation to fig syconia and possible camouflage behaviour

**iGEM Team IISER Bhopal** - Bhopal, India

January 2019 - October 2019

**Project:** Synthetically modifying *E coli* to grow optimally at 4°C

- Performed molecular biology experiments to transform bacteria with our gene of interest and conducted growth experiments to assess viability
  - Helped create the itinerary of lab experiments and assigning roles to all team members and helping with the logistical aspects
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## Fellowships

**KVPY Fellowship** - 2017-2022 (~ 450,000 INR / 5000 Euro)

A highly competitive fellowship (<5% acceptance), awarded by the Government of India for the entire duration of my BS-MS Degree in Biological Science.

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## Education

**Indian Institute of Science Education and Research Bhopal** - Bhopal, India

BS-MS Dual Degree in Biological Sciences

August 2017-April 2022, ongoing

CPI: 9.2/10

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## Conferences and Workshops

**Climate Change and the Essential Service of Pollination:** Organized by Prof. Renee Borges in the Indian Institute of Science, Bangalore between 17th and 19th July 2019. A series of talks by eminent persons in the field of Pollination Biology was conducted along with a Practical demonstration session.

**Nobel Prize Series India 2018:** Organized in association with Nobel Media and Government of India. The Nobel Prize Series is an exciting initiative that brings together Nobel Laureates and eminent scientists to stimulate innovation and creative thinking amongst young students of science.

**TEDx Conferences 2016, 2017:** Organized by Infosys, Bangalore (2016) and by IISER Bhopal in Bhopal (2017).

**Vijyoshi National Science Camp 2016:** Organized by and held in IISc Bangalore during December 2016.

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## Positions of Responsibility

**Department Representative**, Biological Sciences For The Academic Year 2019-2021

**Organising Committee** member and **PR Head** for organizing Enthuzia ,IISER Bhopal's Cultural Fest well as Arts and Letters, Literary Fest

As **Secretary General**, I organised a Model United Nations Conference in IISERB (2018) and KMUN (2019). I chaired two committees in IISERB MUN 2019 and KMUN 2018.

**Content Developer** and **Associate Writer** for the Career Development Cell, IISER Bhopal.

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