

GR

GAYATHRI R

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OBJECTIVE

I am an aspiring ecologist who has strong interest in ecology with an academic background in biology, bioinformatics and statistics. Looking for research opportunities to explore the field of ecology and evolutionary biology.

SKILLS

- Mist netting
- Bird handling and blood sample collection
- Bioinformatics and Computational Biology Tools
- Genomics, Transcriptomics
- R programming
- Molecular biology techniques
- Good communication and writing skills

ACHIEVEMENTS

- Qualified CSIR-UGC NET JRF(2022)
- Qualified Tata Institute of Fundamental Research-Joint Graduate Entrance Examination for Biology and Interdisciplinary Life Sciences (TIFR - JGEEBILS) entrance exam (2021)
- Qualified Graduate Aptitude Test in Engineering (GATE)-Biotechnology (2022,2023)
- Qualified Graduate Aptitude Test in Engineering (GATE)-Life Sciences (2022)

EDUCATION

INTEGRATED MASTER'S IN SYSTEMS BIOLOGY • JULY 2022 • UNIVERSITY OF HYDERABAD
8.68/10 CGPA
First class with distinction

12TH GRADE • ALL INDIA SENIOR SCHOOL CERTIFICATE EXAMINATION • 2016 • KENDRIYA VIDYALAYA NO.1, PALAKKAD, KERALA
Central Board of Secondary Education (CBSE Board)
Biology, Physics, Chemistry, Mathematics
86.4%

10TH GRADE • ALL INDIA SECONDARY SCHOOL CERTIFICATE EXAMINATION • 2014 • KENDRIYA VIDYALAYA NO.1, PALAKKAD, KERALA
Central Board of Secondary Education (CBSE Board)
10/10 CGPA

RESEARCH EXPERIENCE

TRAINING/INTERNSHIP • IISER TIRUPATI • NOV 2022-PRESENT

LAB PI : Dr. V V Robin

Involved in laboratory work mist netting, bird capture, blood sample collection of birds and mosquito sampling from Western Ghats

MASTER'S THESIS • JULY 2021-JUNE 2022

Supervisor: Dr. Manjari Kiran, Assistant Professor, Department of Systems and Computational Biology, University of Hyderabad

Research area: Epitranscriptomics, RNA Biology, Computational Biology

Title: Comparative Analysis of RNA Demethylases in RNA-RNA Interaction

Looked whether RNA modifying erasers played a role in intra and inter RNA-RNA interactions

SUMMER RESEARCH FELLOW • INDIAN ACADEMY OF SCIENCES • MAY 2019-JULY 2019

Supervisor: Dr. Priyadarsanan Dharmarajan, Ashoka Trust for Research in Ecology and the Environment (ATREE), BENGALURU

A part of the project studying the diversity of ants of North-East Indian forests.

Project on foraging behaviour of *Solenopsis geminata* ants

INTERN • SCIGENOM, INFOPARK, KOCHI • DECEMBER 2018

Hands on training on molecular biology techniques

WORKSHOPS AND CERTIFICATES

PARTICIPANT • “UNDERSTANDING BEHAVIOUR” WORKSHOP • INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH-KOLKATA • 11 JAN – 14 JAN 2019

The conference aimed at providing knowledge on the field of animal behaviour

PARTICIPANT • ORNITHOLOGY WORKSHOP • INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH-TIRUPATI • DEC 2019

Selected for an ornithology workshop conducted by IISER Tirupati National Centre for Biological Sciences (NCBS) and Nature Conservation Foundation (NCF)

PARTICIPANT • WORKSHOP ON DATA SCIENCE TECHNIQUES BY THE FEDERATION OF ASIAN BIOTECH ASSOCIATIONS(FABA) ACADEMY • DEC 2020

Aimed at introducing data science and machine learning techniques for biologists using R programming

ECOLOGY IN R CERTIFICATE COURSE-UDEMY

Introduced R packages useful for ecological field data analysis

PRINCIPLE OF COMPUTER AIDED DRUG DESIGN • NATIONAL INSTITUTE OF ELECTRONICS AND INFORMATION TECHNOLOGY(NIELIT), GUWAHATI(ONLINE)

One day workshop on introducing CADD and applications of molecular simulations in CADD

VOLUNTEER EXPERIENCE OR LEADERSHIP

- Volunteer for VIGYANOTSAV- a yearly science outreach event for school students conducted by Junior Science Club, University of Hyderabad
- Volunteer for SPICMACAY (Society for the Promotion of Indian Classical Music and Culture Among Youth)-University of Hyderabad subchapter
- Student placement coordinator-Systems Biology Batch 2022