

EDUCATION

Program	Institution	%/CGPA	Year
BS – MS in Biological Sciences	Indian Institute of Technology Madras.	7.85/10	2022 (Expected)
Class XII	Chennai Public School.	90.6%	2016
Class X	Sri Sathya Sai Higher Secondary School.	9.6/10	2014

SCHOLASTIC ACHIEVEMENTS

- Recipient of the **INSPIRE Scholarship** funded by the Department of Science and Technology, **Govt. of India**. (2017-22)
Attended the Vijayoshi Camp at IISc Bengaluru, organised for INSPIRE Fellows, 2017.
- Won a **gold medal** and a **silver medal** as a part of the iGEM IITM team in **2018** and **2019** respectively - [IITM Press Release](#).
- Awarded the school prize for '**Outstanding Academic Achievement**' in 2013.

PROFESSIONAL EXPERIENCE

National Centre for Biological Sciences Intern, May – July 2019.	<i>Generated evolutionary gene trees for melanin pathway genes in insect species.</i> <ul style="list-style-type: none"> Extracted sequence data for over 120 species from online databases. Constructed custom python pipelines to align the sequences and to construct gene trees. Assisted with a project to study <i>gene correlation and gene networks</i> in butterflies Implemented a <i>Network Correlation pipeline</i> in R, to find a genetic basis for differences in butterfly wing patterns of <i>Papilio polytes</i>. Contributed to the poster presented at ESEB 2019, at Turku, Finland.
Indian Institute of Technology Madras Intern, Ongoing.	<i>Worked on identifying the relationship between genes and the environment in yeast.</i> <ul style="list-style-type: none"> Downloaded and analysed 138 genes across 38 strains of <i>S. cerevisiae</i>, using python. Worked on finding protein variations, to further study environmental effects on variation.
Web Design 2018-Present.	<ul style="list-style-type: none"> Designed and deployed websites for two companies, in Raipur and Chennai. Designed the wiki for the iGEM teams in 2018 and 2019.

COMPETITIONS

iGEM Team Member, Jan – Nov 2018. Team Leader, Dec 2018- Nov 2019.	<i>The Language Project, a science communication project to increase awareness on synthetic biology.</i> <ul style="list-style-type: none"> Created educational videos in 15 Indian and 20 foreign languages; generated 24000 views on YouTube. Personally endorsed by the Principle Scientific Advisor to the Govt. of India. Covered by national media outlets: The Times of India, New Indian Express. Nominated for 'Best Education and Public Engagement' at iGEM 2019 Jamboree at Boston, MA.
	<i>Team presented the projects at Boston, MA, to win a gold medal in 2018 & a silver medal in 2019.</i> <ul style="list-style-type: none"> 2018: Construction of a synthetic promoter library for soil bacterium <i>Acinetobacter Baylyi</i> to an 80x increase in activity. 2019: Working on the microbial production of camptothecin, an anti-cancer drug, using an endophytic fungus.

POSITIONS OF RESPONSIBILITY

Events Supercoordinator, Saarang 2019. May 2018 – Feb 2019.	<ul style="list-style-type: none"> Introduced a new vertical: - a Film Festival under Saarang, largest student run fest in India. Organised 2 film screenings in collaboration with the Goethe-Institut. Organised lectures and professional workshops on Film Making, Screen Play Writing and Film Acting, conducted by film experts and veterans from across India, to a footfall of over 1000.
Founding Convenor, Film Appreciation Club. May 2018 – Apr 2019.	<ul style="list-style-type: none"> Founded a new cultural club at IITM, encouraging analyses of films and film making. Headed a 10 member team, and organised 2 workshops on films and film making. Organised 6 film screenings across various genres, and co-launched the IITM Literary Blog.
Events Coordinator, Drama Club 2019. June 2018 – May 2019.	<ul style="list-style-type: none"> Helped organise 7+ events over the course of the year and coordinated 5+ events for Saarang, to a footfall of over 1000. Helped ideate and conduct 4 new events over the course of the year. Previously served as a volunteer during Saarang 2018.

EXTRACURRICULAR ACTIVITIES

Theatre & Writing	<ul style="list-style-type: none"> Lead Actor in a major professional production to an audience of over 200 in April 2019. Lead Actor in IITM's flagship play, to an audience of 200 in April 2018. Acted in 5+ plays produced by the institute's Drama Club, between 2017 and 2019. Won Second place in a scriptwriting competition organised by SSN in 2019.
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SKILLS

- Python.
- Web Design and Deployment: HTML, CSS & JS.
- MATLAB, Basic R.