



# Prathibhaa R

**Date of birth:** 02/05/2002 | **Nationality:** Indian | **Phone number:**

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**Address:** Interior Racecourse road , E3, Sical Raceview Apartments , 600032, Chennai, India (Home)

## ● LANGUAGE SKILLS

Mother tongue(s): **TAMIL**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C2	C2	C2	C2
<b>GERMAN</b>	A1	A1	A1	A1	A1
<b>HINDI</b>	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● EDUCATION AND TRAINING

10/08/2020 – CURRENT Chennai , India

**BACHELORS IN TECHNOLOGY- BIOTECHNOLOGY** SIMATS Engineering

**Website** <https://simatsengineering.com/>

01/04/2019 – 13/07/2020 Chennai, India

**12TH GRADE** Kendriya Vidyalaya IIT, Chennai

**Website** <https://chennaiiit.kvs.ac.in/>

01/04/2017 – 29/05/2018 Chennai , India

**10TH GRADE** Kendriya Vidyalaya IIT, Chennai

**Website** <https://chennaiiit.kvs.ac.in/>

## ● DIGITAL SKILLS

Microsoft Word | Microsoft Office | Microsoft Powerpoint | Microsoft Excel | Zoom

## ● PROJECTS

15/09/2023 – 23/12/2023

**Prevention of Formation of Biofilms by Comparing the Efficiency of Antibiotic Streptomycin and Bacteriocins**

Carried out experiments to extract probiotic bacteriocins from bacteria extracted from non-conventional food sources like cabbage(*Brassica oleracea*) drumstick tree (*Moringa oleifera*), which was tested against biofilms of *Serratia*, *Pseudomonas*, *E.coli* and *Streptococcus*, to determine efficiency over antibiotic streptomycin.

## ● **CONFERENCES AND SEMINARS**

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20/07/2023 – 20/07/2023 Malaysia

### **Innotech 2023 SIET Conference**

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Attended a National level Conference held at Asia Pacific University of Technology and Innovation , Malaysia. I presented a paper on the title " Early and Precise Identification and Diagnosis of Heart Disease using Decision Tree method compared with Naïve Bayes Algorithm " during the SIET Satellite Conference in 2023.

08/10/2021 – 29/10/2021 Chennai, India

### **Recent Advances in Biotechnology and Environmental Health research (RABEHR-2021)**

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Presented a paper on the title " Emerging Aspects of Nanotechnology, Nanomedicine and Nanotoxicology "

## ● **WORKSHOPS**

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03/10/2023 – 07/10/2023

### **Workshop on Marine biofilms**

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Had hands on experience on identification and eradication methods of Marine biofilms and learnt in depth about biofouling, held at Sathyabama University, Tamilnadu.

06/04/2024 – 07/04/2024

### **Vaccine Technology**

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Had hands on experience on In-Silico method of Vaccine Designing. Learnt about various databases of Proteins and other biomolecules.

## ● **INTERNSHIPS**

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11/12/2023 – 22/12/2023

### **Life Cell International**

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Life Cell international is a stem cell bank. Had the opportunity to observe and learn the methods and techniques to store and to process different kinds of biomolecules.

### **Micro Labs Limited**

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Micro Labs is a Pharmaceutical company located at Hosur, Tamilnadu, India. I had the opportunity to closely observe and learn the methods and techniques to quality check, test, produce and manufacture safe and quality Pharmaceutical products.

### **Council Of Scientific And Industrial Research–Central Leather Research Institute (CSIR–CLRI)**

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Currently interning at CSIR-CLRI, India. I'm working on chlorophyllin, to study about its anticancer and antioxidant activity.

## ● **ACHIEVEMENTS**

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### **Academic topper**

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Secured overall academic topper for the year 2022-2023 during the "AGNITO AWARDS" held at my college.

## ● **HOBBIES AND INTERESTS**

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### **Music**

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I'm a professional carnatic( Indian music) singer and i also play the guitar

### **Yoga**

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I actively practice yoga every morning for my fitness and to seek a peace of mind

## **Art**

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I occasionally draw and paint during my free time. I usually make drawings and painting of cartoon characters.

## ● **LABORATORY SKILLS**

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### **Lab instruments**

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I have learnt and handled the following laboratory equipments:

- 1) Rotary evaporator
- 2) Lyophilizer
- 3) LAF( Laminar Air Flow)
- 4) Microscope
- 5) Autoclaves, Hot air oven and incubators
- 6)PCRs

### **Laboratory Skills**

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I am well versed in the below mentioned biological techniques

- 1)DNA isolation
- 2)ELISA
- 3) Bacterial growth- Agar plates and broths
- 4) Phase extractions
- 5)DPPH assay
- 6) Blood grouping