

Aarohi Gaikwad

Third-year Biotechnology student, MES Abasaheb Garware College, Pune.

[LinkedIn Profile](#), [Website](#)

(2nd year) CGPA 8.98

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Research and Work Experience

- **Internship | Sheetal Laboratory, Pune | 1 Month | May 2024-** Practiced calculations necessary in a lab, such as molar conversions and dilutions.
- **On-Job Research Training| Agharkar Research Institute, Pune | 1 Month | June 2024-** Learnt about in PCR, HPLC, GC-MS, LC-MS, NMR, Sanger sequencing
- **Internship| Indian Institute of Science Research and Education| 3 months | April to July 2025-** Assay optimization, Lab experiments, data analysis for the project- Screening microbes for Volatile Organic Compound Degradation.
- **Research Intern (Part-time) – Biofound Biotech Pvt. Ltd., Pune | 3 months | July to September 2025 –** Internship extension, got listed as Corresponding Investigator, Provisional Patent filing is in progress, currently working on IP forms, reports and data analysis.

Certifications

- MES Abasaheb Garware College Scientific Writing Course (Feb to March 2024)
- Catalase Breaking the Bad Workshop| IISER Pune (Jan 2024)
- Microbial Genomics Course | Biogrademy (Oct 2024)
- MACS- Agharkar Research Institute HPLC, LCMS, GCMS Analytical equipment workshop (Jan2025)
- Gene Editing Through CRISPR-Cas9 Workshop, IISER Pune (Jan 2025)
- Exploring Science Through Theatre Workshop by TIFR Hyderabad (Jan 2025)
- Emerging Viruses and Antiviral Strategies Short-term Online Course | IISc Bengaluru (CCE) | (June 2–6, 2025)

Projects

- **Screening microbes for Volatile Organic Compound Degradation at IISER Pune (ongoing since April 2025)** - Successfully tested strain identification and VOC degradation abilities; provisional patent filing in progress with validation experiments scheduled for October 2025

Leadership and Outreach:

- Participated in a Rally for River Bank Conservation with Pune River Revival, Pune. (May 2023)
- Volunteered for the National Service Scheme (NSS) Campus Cleaning and Poster Drives to promote Environmental Awareness at MES Abasaheb Garware College. (August 2024)
- Survey on the “Correlation of Plants with our Mental State,” analysed the data, and created a detailed report on it. (October 2024)
- Represented MES Abasaheb Garware College and Savitribai Phule Pune University (SPPU) at the KISAAN Agricultural Convention. (December 2024)
- Participated as a volunteer at Swanand Janakalyans (NGO in Pune) to teach Biology to underprivileged children. (June-July 2025)
- Survey on Awareness of Antimicrobial Resistance in Pune City (September 2025)