

URVI RUPANI

CONTACT

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SKILLS

Critical Thinking
Patience
Leadership
Qualities
Communication Skills
Project Management

LANGUAGES

English

Marathi

Hindi

Gujarati

PROFILE

Passionate microbiology student with strong laboratory skills and a solid understanding of microbial processes. Seeking opportunities to apply knowledge and contribute effectively in research, laboratory or industry settings.

EDUCATION

2025 - Master of Science (Microbiology)
Patkar-Varde College – Goregaon, MH

2025 - M.Sc Part -II – SGPA – 08.27; CGPA – 8.6

2024- M.Sc Part -I SGPA – 09.33; CGPA – 8.55

2023 - Bachelor of Science (Microbiology)
Mithibai College – VileParle, MH

SGPA – 07.13; CGPA – 6.30

2020 - Higher Secondary Certificate
Vidya Vikasini Junior College – Vasai, MH

2018 - Secondary School Certificate
St. Francis High School – Vasai, MH

WORK EXPERIENCE

Patkar-Varde College (Visiting Faculty)

Delivered lectures and guided undergraduate and postgraduate students in microbiology-related subjects. Assisted in academic activities, including practical sessions and evaluations.

Omala Media and Production Pvt Ltd- Tech Support Executive and Webinar Host – June 2020 (6 Years)

Providing technical support for conducting webinars.

Apoorva Diagnostic and Healthcare (A unit of Vittals Medicare Pvt Ltd) at Bhaktivedanta Hospital & Research Institute

Completed a 2-month internship and served as Lead Researcher for 6 months

Research Project Title: Microbial profile and antibiogram of community acquired acute Urinary Tract Infection in urban and tribal settings - A Comparative study

- Experienced in routine and advanced clinical microbiology techniques including culture streaking methods for bacterial and fungal isolation, and manual antimicrobial susceptibility testing by Kirby-Bauer Disc Diffusion Method (KBDDM).

- Additionally, proficient in performing immunoassays such as ELISA and ANA blot for serological diagnostics. Skilled in operating automated diagnostic systems such as the VITEK® 2 Compact System for rapid microbial identification and antimicrobial susceptibility testing, and the BacT/ALERT® 3D 120 system for continuous automated blood culture monitoring.

ACHIEVEMENTS

- Felicitated with Academic Excellence Award 2024 – Topper of the batch
- Awarded as Xavier's Princess (2018)
- Participated in sports such as Throwball, Handball and Chess.
- Participated in Chemistry Quest at Mithibai College ChemTrek.
- Recipient of multiple medals in individual sports, demonstrating discipline, resilience, and competitive spirit.

ACADEMIC EXPERIENCE

- Appointed as Lead Researcher post-internship to independently lead a diagnostic and microbiological research project.
- Designed, standardized, and executed research protocols relevant to clinical microbiology diagnostics and AST.
- Gained hands-on experience in clinical microbiology diagnostics and laboratory operations.
- Collaborated with laboratory staff and technicians to optimize diagnostic workflows and interpret clinical isolates' antibiogram patterns.
- Prepared technical documentation, data analysis reports, and assisted in drafting research papers and presentations.
- Operated automated diagnostic systems such as the VITEK® 2 Compact System for microbial identification and susceptibility testing, and the BacT/ALERT® 3D 120 System for continuous blood culture monitoring.
- Industrial Visits at Sula Wines, Vintage Winary, Wine information centre (WIC) - Nashik, ICMR, National Institute of Nutrition, CCMB – Hyderabad, Parag Dairy – GO Cheese
- Skilled in core microbiology and molecular biology techniques, including microbial culture, Gram staining, biochemical testing, AST, microscopy, PCR (standard, RT-PCR, multiplex), gel electrophoresis (DNA & protein), blotting techniques (Southern, Northern, Western), enzyme assays, bioinformatics tools (BLAST, FASTA, phylogenetic analysis), and instrumental techniques such as HPLC and UPLC.