

# JAYRAJ RANA

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## SUMMARY

As a dedicated biologist with a passion for teaching and research, I bring a unique blend of skills to the table. My experience as a graduate student, part-time biologist, and educator has equipped me with a deep understanding of biology concepts, hands-on laboratory techniques, and effective communication. I am committed to fostering curiosity and scientific exploration in both students and colleagues.

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## WORK EXPERIENCE

**Biology neet faculty [part time] | Vanita vishram girls' high school | surat**      **oct 2023 - present**

- Designed engaging lesson plans for high school biology classes.
- Fostered student understanding through interactive teaching methods. Monitored student progress and provided individualized support.

**Assitant lecturer | Aakash Institute | Surat, Anand**

**July 2022 – Aug 2023**

- Collaborated with a team to develop and deliver high-quality educational content. Conducted workshops and training sessions for students preparing for competitive exams. Leveraged my biology expertise to enhance teaching materials

**Research trainee | Main cotton research center, NAU | Surat.**

**Mar 2022 – April 2022**

- Worked in the microbiology and biotechnology department where learned several hands-on trainings both In vitro and In silico.
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## EDUCATION

**Master of Science in Zoology**

**2023 - 2025**

Department of bioscience, Veer Narmad South Gujarat University,, Surat

- Working on metagenomics as dissertation topic
- Principal investigator in the project for development of protein-rich aqua feed funded by UGC CELL, VNSGU.
- UGC level gender equality boy's champion
- Departmental student's representative
- Eco club Representative

**Post Graduate Diploma in Molecular and Biochemical Technology**

**2021 - 2022**

Department of Biotechnology, Veer Narmad South Gujarat University,, Surat.

**Bachelor of Science in zoology**

**2018 - 2021**

Sir P. T. Sarvajanjik college of science, athwalines, surat

- SSIP (Student startup innovation policy) Grant holder
  - Filed for the patent for the invention of bio-friendly mosquito repellent.
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## SKILLS

- **Laboratory Techniques:** PCR, gel electrophoresis, microscopy
  - **Teaching and Communication:** Developed lesson plans, delivered engaging presentations
  - **Research:** Literature review, experimental design, statistical analysis
  - **Industry Knowledge**
  - **Leadership quality**
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## EXTRA CURRICULAR

- Hands-on training in **16s metagenomics** workshop, **Genexplore laboratory**, Ahmedabad
- In silico **vaccine development** workshop, **Aahvan IIT Bombay**, Mumbai.
- Online Summer training and internship program 2024 on **cancer biology and technology**, **Remarkskill education, IIT Hyderabad**
- Hands-on training on **HPLC**, VNSGU, Surat.
- planted **100 trees** under my leadership enquoted with **"ek ped maa ke nam"** led by Hon. Prime minister **Narendra Modi**.
- **Chairman** of cultural committee, Shree Yuva Rana Samaj.
  1. Under my chairmanship, our committee and I have planted more **than 1000 trees**. with the help of zonal counselors and member of legislative assembly.
  2. **Replace the bouquet with plants and saplings** in social gatherings and felicitation of our community programs
  3. **Guided more than 300 students** with career guidance seminars under the cultural committee to choose the best career path according to their interests.
- I am a **theatre artist** and **writer**. I acted in more than 10 plays till now. Moreover, I have three **national anthologies**, out of one poetic anthology was **published by the Gujarat state school textbook board**, entitled **'Shishu na Swar'**