

DEVENDRA B. DUBEY

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PROFESSIONAL PROFILE

Master's graduate in Chemistry from Indian Institute of Technology Gandhinagar, with research exposure in photocatalytic amine-to-imine transformation and hands-on experience with GC, TLC, NMR, UV-Visible and IR spectroscopy. Research interests include asymmetric synthesis, chemical biology, drug discovery and photocatalysis. Also experienced in scientific communication, student leadership and entrepreneurship outreach.

EDUCATION

Master of Science in Chemistry | Indian Institute of Technology Gandhinagar (IITGN) | 2024–2026

- Research interests: Asymmetric synthesis, chemical biology, drug discovery and photocatalysis.
- CPI: 8.46/10.

Bachelor of Science in Chemistry | D.S.P.M.'s K. V. Pendharkar College of Arts, Science and Commerce | 2021–2024

- CGPA: 9.90/10; Grade: A+.
- Served as Additional General Secretary and Class Representative; supported student activities, student-grievance resolution and event coordination.

RESEARCH EXPERIENCE & FELLOWSHIP

Prime Minister Research Assistant Fellowship (PMRAF) | IIT Gandhinagar and Physical Research Laboratory (PRL) | May 2026–Dec 2026

- Fellowship/appointment entry included as provided. Research area and specific responsibilities were not supplied.

Research Intern | Institute of Chemical Technology (ICT) | Dec 2024

- Completed a four-week research project under Dr. S. S. Tiwari on the role of substituents in amine-to-imine transformations using photocatalysis.
- Used gas chromatography (GC), thin-layer chromatography (TLC) and nuclear magnetic resonance (NMR).
- Developed experience in research methodology, experimental design and data analysis.

Student Researcher | D.S.P.M.'s K. V. Pendharkar College | Dec 2022

- Conducted a one-month study on the effects of sound frequencies on *Daphnia*.
- Designed experiments to observe movement, feeding behaviour and survival; analysed data statistically and considered ecological implications.

Exploration of Space Intern | Indian Institute of Remote Sensing (IIRS), ISRO | Apr 2024

- Completed a one-month programme covering space exploration, satellite technology, remote sensing and data-analysis methods; attended sessions led by ISRO scientists and engineers.

ISRO Space Applications Centre (SAC) Project | Dec 2025 | 1 month

- Project duration and dates updated as provided; specific project title, scope and responsibilities were not supplied.

PROJECTS

DevView — 3D Molecular Visualization Software | Oct 2026

- Concept and development project for an Android-installable molecular viewer with a ChemDraw-like 2D editor for organic and inorganic structures and interactive 3D visualization.
- Envisions a 2D-to-3D workflow and a minimal, consistent interface for molecular structure drawing and visualization.

Substituent Effect on Amine-to-Imine Conversion Using Photocatalysis | Dec 2024

- Investigated substituent effects in photocatalytic amine-to-imine transformation as part of a research internship.

Effects of Varying Sound Frequencies on *Daphnia* | Dec 2022

- Studied sound-frequency-associated changes in movement, feeding behaviour and survival.

ADDITIONAL EXPERIENCE

Marketing Executive | Entrepreneurship Initiative, IIT Gandhinagar | Oct 2024–Present

- Promote entrepreneurship initiatives across the IITGN community and support workshops, awareness sessions and related programmes.
- Contribute ideas for promotional projects and entrepreneurship outreach.

Google AI Study Jam Trainee | Google Developer Students Club, Amity University | May 2024

- Completed a month-long course focused on practical AI and machine-learning skills and applications to real-world problems.

Social Media Intern / College Ambassador | Techfest, IIT Bombay | Jun 2023–Jan 2024

- Promoted IIT Bombay Techfest across social media platforms and created and scheduled content to increase event awareness.

LEADERSHIP & CAMPUS ENGAGEMENT

Joint Secretary | Awaam — Debating and Politics Club, IITGN

- Facilitated discussions and helped organize events encouraging critical thinking, public speaking and civic engagement.

Additional General Secretary & Class Representative | K. V. Pendharkar College

- Worked with student representatives on activities, student concerns, event scripts and event coordination.

Valay Volunteer | K. V. Pendharkar College

- Anchored annual college fests for two consecutive years; prepared scripts and event timelines.

TECHNICAL SKILLS

Laboratory & Analytical

- Gas chromatography (GC), thin-layer chromatography (TLC), NMR interpretation, UV-Visible spectroscopy and IR spectroscopy.

Software

- ChemDraw, Origin, Microsoft Office and Notion.

Professional

- Analytical writing, scientific presentation, public speaking, event coordination and social media communication.

AWARDS & ACHIEVEMENTS

IIT JAM Chemistry 2024

- All India Rank (AIR) 403.

Chemfest 2024 — B. K. Birla College

- First prize in inter-college chemistry debate.

Academic Excellence Prize — K. V. Pendharkar College

- Awarded for academic performance in SY B.Sc.

Techfest, IIT Bombay

- Bronze medal as Social Media Intern, 2024.

Yuvamanthan Model United Nations, IITGN

- High Commendation Award, September 2024.

Research Presentation — Internal Quality Assurance Cell, K. V. Pendharkar College

- First prize.

Aavishkaar Science Poster Presentation

- Participant, December 2022.

Brahman Sabha, Dombivli

- Academic Excellence Award in FY B.Sc.

ADDITIONAL INFORMATION

Languages

- English, Hindi, Marathi and Spanish.