

EDUCATIONAL QUALIFICATION

COURSE NAME	COLLEGE/SCHOOL/UNIVERSITY	YEAR OF GRADUATION	MARKS
M.Sc (Chemistry)	Christ University, Bangalore	2022	3.7/4
B.Sc (Chemistry)	St. Xavier's College, Mumbai	2019	3.1/4
CBSE 12 th (Science)	Chavara Public School, Pala	2016	90%
CBSE 10 th (Science)	Carmelagiri Public School, Munnar	2014	94%

WORK EXPERIENCE

- **Technical Service at Sterlite Copper,Vedanta Resource Ltd, Silvassa** **Aug'22 – Present**
 - Conducted in-depth research on processes for the extraction and recovery of precious metals from by-product materials
 - Designed and executed laboratory experiments to optimize developed method on leaching, precipitation, cementation techniques
 - Collaborated with cross-functional teams to develop environmentally friendly and cost-effective metallurgical solutions
 - Mentored and trained junior researchers, fostering a culture of continuous learning and innovation
 - Managed and maintained laboratory equipment, ensuring safety and accuracy in experiment
- **Executive at Trailblazers Adventure Travel Pvt. Ltd, Mumbai** **Aug'19 – July'20**
 - Designed and led engaging outdoor education programs for diverse groups of participants, ranging from school children to adults
 - Curated learning modules that include both hands-on and classroom learning for students
 - Assisted in curriculum development and program planning for outdoor education
 - Led camps as the camp director and educator facilitating experiential learning activities such as environmental conservation, team-building exercises, Leave No Trace principles

PUBLICATION

- A. Baby et al., "Azopyridine as a linker molecule in polyaniline-grafted graphene oxide nanocomposite electrodes for asymmetric supercapacitors," *ACS Applied Energy Materials*, 2023. doi:10.1021/acsaem.3c01496
- S. Simon et al., "Carbon nanotubes for supercapacitors," *NanoCarbon: A Wonder Material for Energy Applications*, pp. 217–236, 2024. doi:10.1007/978-981-99-9931-6_11
- Sharma, A. et al. (2024) 'Exploring the efficiency of green synthesized silver nanoparticles as photocatalysts for organic dye degradation: Unveiling key insights', *Nano Express*, 5(2), p. 022002. doi:10.1088/2632-959x/ad4d09.

CERTIFICATE COURSES

- Certificate courses in **Lateral Thinking, Transactional Analysis and Nanotechnology** from St. Xavier's College, Mumbai
- **Online certificate course by Coursera**
 - Molecular Spectroscopy - University of Manchester
 - Chemical and Health - Johns Hopkins University
 - Forensic Science - Nanyang Technological University

INTERNSHIP AND ACADEMIC PROJECTS

- **Internship in Applied Science at Christ University** **Jan'22 - Feb'22**
 - Learned about the principles of designing efficient and robust experiments to generate meaningful and valid results
 - Explored a range of sampling techniques and gained experience with state-of-the-art instrumentation
 - Understood the significance of quality control measures including data validation, instrument calibration and troubleshooting to ensure the reliability of analytical results
- **Virtual Internship at RAIC** **July'21**
 - Internship on Recent Advancements in Chemical Science hosted by B. S. Abdur Rahman Crescent Institute of Science and Technology, Chennai
 - Provided insights on latest developments and cutting-edge research within the field
- **Quality Control Intern at HOCL, Ambalamugal** **April'18 – May'18**
 - Conducted a wide range of chemical tests to ensure product quality
 - Received training in water analysis and effluent water treatment analysis
 - Maintained and calibrated laboratory equipment, ensuring accurate and reliable results
 - Investigated and resolved quality deviations and non-conformances, working closely with production teams
 - Prepared detailed quality control reports, analyzed data and presented findings to the management
- **Physics Probe - Research Seminar, St. Xavier's College** **Feb'18**
 - An oral and poster presentation for an experiment along with research paper writings
 - Gained in-depth guidance on crafting, structuring, and delivering compelling research presentation
 - Analyzed and critiqued various research papers and presentations to identify strengths and areas for improvement, leading to more effective communication of research findings

POSITION OF RESPONSIBILITY

- **Vice Chair Person, Xavier's Association of Chemistry** **Jun'18 – Mar'19**
 - A society to help chemistry enthusiasts get along with others and learn chemistry beyond classroom perimeters
 - Led and organized chemistry-related events, workshops, and outreach programs
 - Fostered a collaborative and inclusive learning environment for students
- **Personal Assistant to Director of NITI Aayog** (Regional Development Monitoring and Evaluation Office), Belapur CBD - assisting him and helping him out in his daily work
- **Headed Public Relations team for an International Science Conference** hosted by St. Xaviers College and Creighton University - Headed a dynamic team to develop and execute strategic PR campaigns
- Part of **Public Relations team** (College Fest - Malhar 2017, Xstatic 2017, Confluence 2017, Aamod 2017, Paradigm 2017, Ithaka 2016, Antas 2016, MVM 2016, MAX 2016) - Assisted in planning and execution of promotional activities, ensuring seamless coordination and communication during the event
- **General Secretary of School Council** 2013, 2014
- **Captain - Basketball Team** 2014, 2016
 - **Roller Skating Team** 2010, 2011, 2012, 2013, 2014

AWARDS AND ACCOMPLISHMENTS

- Awarded **Trainee of the Quarter** at **Sterlite Copper, Vedanta Resource Ltd, Silvassa** for the exceptional performance during training period
- Awarded **Janapaksham Excellence Award** sponsored by **Padma Vibhushan K. J. Yesudas** for the excellence in curricular and co-curricular field
- Certificate of merit from **CBSE** for academic excellence
- **State level Roller skater, District level Chess player, District level Basketball player and District level Rifle shooter**
- Certificates of merit in **Theatre and Athletics**

COMMUNITY SERVICE

- Worked on **Project Paint** under social service league of St. Xavier's College, Mumbai
- Volunteered for **Blood donation** drive
- Volunteered for **Swacha Bharat Abhiyaan** cleanliness drive

COMPETENCY

- Innovation and Creativity
- Leadership and Management
- Data interpretation and statistical analysis
- Team collaboration and project management
- Technical report and research paper writing

OTHER SKILLS

- Basic knowledge in scientific application softwares (Origin, Chems sketch, Chemdraw)
- Basic knowledge in publishing and typesetting software (Adobe Indesign)
- Basic knowledge in Spreadsheet, Word, Powerpoint
- Languages Known – English, Malayalam, Hindi, Tamil

PERSONAL PROFILE

- DOB: 13/02/1998
- Gender: Male
- Marital Status: Single
- Nationality: Indian