

# Kruthi M

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**Professional Summary** — Detail-oriented biochemistry postgraduate with hands-on experience in analytical chemistry, laboratory techniques, and quality control. Proficient in chromatography, electrophoresis, spectroscopy, and sample preparation. Strong foundation in biochemistry with expertise in experimental design, data interpretation, and laboratory safety compliance. Seeking opportunities in research, pharmaceuticals, or quality assurance to apply technical skills and contribute to scientific innovation.

## Technical Skills

<b>Analytical Techniques</b>	Chromatography (LC-MS, GC-MS, HPLC), Electrophoresis, Soxhlet Extraction, FTIR, NMR
<b>Laboratory Operations</b>	Sample Preparation, Wet Chemistry, Data Analysis, Documentation, Safety Compliance
<b>Industrial Knowledge</b>	Petrochemical Processes, Pilot-Scale Experiments, Manufacturing Workflows
<b>Software</b>	MS Office, Windows, PDF Tools, Internet Applications
<b>Core Competencies</b>	Problem Solving, Critical Thinking, Team Collaboration, Project Management
<b>Languages</b>	English (Fluent), Kannada (Fluent)

## Professional Experience

**CiteWorthy Lifesciences, Mysuru, Karnataka**

**Sept 2024 – Oct 2024**

*Project Trainee*

- Performed Soxhlet extraction, distillation, and chromatographic methods for experimental analysis
- Conducted antioxidant assays and agarose gel electrophoresis to evaluate biochemical properties
- Prepared detailed laboratory reports while following Good Laboratory Practices (GLP) and safety protocols

**Chromatogen Analytical Solutions, Mysuru, Karnataka**

**Mar 2025 – May 2025**

*Final Year Project Trainee*

- Conducted qualitative estimation of polyphenols and flavonoids using LC-MS and GC-MS
- Applied FTIR spectroscopy for identification of functional groups in plant extracts
- Assisted in scale-up from laboratory experiments to pilot plant and production processes

**CIPET-CSTS, Mysuru**

**Nov 2022**

*Intern – Petrochemical Sector Training*

- Completed training in petrochemical industry laboratory practices and instrumentation
- Gained exposure to industrial-scale testing and quality control applications
- Strengthened knowledge of chemical safety standards and compliance protocols

## Education

**Pooja Bhagavat Memorial Mahajana Post Graduate Centre, Mysuru**

**2023 – 2025**

*Master of Science in Biochemistry*

*CGPA: 7.5*

**St. Philomena's College, Mysuru**

**2021 – 2023**

*Bachelor of Science in Chemistry, Botany, Zoology (CBZ)*

*CGPA: 6.0*

## Core Competencies

- Ability to manage multiple research and laboratory projects with minimal supervision
- Strong communication skills in English for scientific writing, reporting, and presentations
- Skilled in laboratory safety, chemical handling, and compliance documentation
- Knowledge of production workflows, scale-up, and quality assurance practices
- Quick learner with adaptability to new laboratory instruments and research protocols
- Collaborative team member with organizational and project coordination skills
- Proficient in data analysis, interpretation, and presentation of experimental results