

INTRODUCTION

A highly motivated and dedicated recent graduate with a strong academic background in Biotechnology, seeking to contribute my knowledge of biological processes, laboratory techniques, and research in a challenging and growth-oriented position. Eager to apply theoretical knowledge and hands-on experience to support research, product development, and innovation in the biotechnology industry.

SKILLS

1. **Laboratory Skills:** PCR, Gel Electrophoresis, Spectrophotometry, Western Blotting, Cell Culture, Microscopy, Enzyme Assays
2. **Microbiology techniques:**
3. **Molecular Techniques:** Cloning, DNA/RNA Extraction, RT-PCR, Genomic Library Construction
4. **Software Proficiency:** C++ ,basic python, Bioinformatics Tools (BLAST, UNIX,Extractions of protein sequences,Clustal W, 3D structure of protein)
5. **Technical Writing:** Scientific Reports, Protocol Documentation, Research Papers
6. **Research & Analysis:** Literature Review, Experimental Design, Data Interpretation

EDUCATIONAL DETAILS

DEGREE	INSTITUTION	PASS OUT	PERCENTAGE
B. Tech Biotechnology	ST. Joseph's college of engineering	2021 -2025	7.9CGPA
XII	Montfort matriculation higher secondary school	2020 -2021	85%
X	St. Dominics matriculation higher secondary school	2018 -2019	86%

EDUCATION

B-Tech - Biotechnology

Relevant Coursework: Molecular Biology, Genetics, Microbiology, Bioprocess Engineering, Bioinformatics, Biotechnology Laboratory Techniques,Immunology,Plant Biotechnology,Food processing,cell biology,Genetic Engineering, Enzyme Engineering, Analytical and Instrumentation,Pharma Engineering, Tissue Engineering, Biochemistry.

PROJECT TITLE

Vegan Paneer a comparative study -St.joseph's college of engineering omr chennai – 2023

- **Description:** Conducted a project on Vegan paneer comparative study alternative to dairy paneer . Utilized skills in nutrient analysis in food techniques to analyze the vegan paneer processed for better dietary food habitats.
- **Outcome:** source of vegan paneer with low cholesterol value and no dairy allergies which is a better alternative to dairy paneer .

Edible food wrapping using pectin and bottle gourd -St.joseph's college of engineering omr chennai -2024

- Description: Conducted a project on Edible wrapper for food packaging . Utilized skills in microbiological , Allergen testing , nutrient analysis and shelf life testing .
- Outcome : Edible food wrapper which is plastic free and also benefited in a good food lifestyle .

Paper publication(In progress) - Applications of Microalgae in Biomedical Industry - St.joseph's college engineering omr chennai -2024**INPLANT TRAINING****Microbial Technique and Advanced Phytochemistry Techniques - Armats BioTek Training and Research Institute Guindy ,chennai.****OCTOBER 12 2022 -OCTOBER 29 2022**

- Training on experiencing microbial and phytochemistry techniques in Armats Biotek for various cell culturing and their functional studies.
- **Technical proficiency:**Inoculum preparation ,Antimicrobial assay, Phytochemical analysis and screening ,Agar well diffusion method .
- **Objective :** To perform microbial techniques and analyses of plant extracts can be useful to identify bioactive agents for synthesis of useful drugs .

INTERNSHIPS**Biomedical Instrumentation and biochemistry laboratory - KM Speciality Hospital KK nagar chennai.****JUNE 1 2024 -JUNE 30 2024**

- ⑦ The primary aim of this internship was to gain practical, hands-on experience in the field of biomedical instrumentation and biochemistry. The goal was to bridge the gap between theoretical knowledge acquired through academic coursework and real-world application within a healthcare setting.
- ⑦ **Technical proficiency:** Quality assurance and compliance ,PHLEBOTOMY, Glucose - biochemistry- hematological testings .
- ⑦ **Objective :** Assisting in the calibration and maintenance of essential biomedical equipment, conducting various biochemical tests, and ensuring the accuracy and reliability of test results.

STEM CELL- Life cell International Pvt Ltd laboratory,Head office kelambakkam-vandalur Road chennai.**OCTOBER 3 2023 - OCTOBER 31 2023**

- Internship undergone in Life cell gained observational hands-on-experience for up to 30 days on Stem cell preservation and transportation Informations .
- **Technical proficiency:** Data entry of samples,Isolation techniques,cryopreservation,storage and transportation, Diagnostic techniques -ELSA
- **Objective:** On a clear observation and analysis of stem cell banking and maintenance .

FOOD TECHNOLOGY-Armats BioTek Training and Research Institute Guindy ,chennai.

MAY 15 2023 - MAY 30 2023

- Hands on Training Experiencing basic food technology techniques in Armats Biotek Training Centre worked and studied for food preservation and Isolation techniques applications .
- **Technical proficiency :** Fermentation , Freezing, Canning, Pasteurization, Cryopreservation.
- **Objective:** food technology techniques use instruments to evaluate food attributes instead of human senses. These techniques are important for identifying contaminants, faulty processing, and adulteration.

CERTIFICATIONS

- ☑ Cancer Biology - UDEMY -2022
- ☑ WORLD FOOD DAY -kokum fruit extraction and processing for cancer and diabetic conditions - SRM Institute and technology chennai (2022)
- ☑ NATIONAL LEVEL HACKATHON-Nutrient sensing in hydroponics solution - NPK sensors in real time monitoring in hydroponics agriculture- Tamil Nadu Agriculture University Coimbatore (2023)
- ☑ YUKTA EVENT- RECYCLE REUSE RETHINK -Waste management Non-Technical event- PSG Institute of Technology and Applied Research Neelambur , Coimbatore (2023)

ACHIEVEMENTS AND EXTRACURRICULAR ACTIVITIES

- National level hackathon(3" place) - Tamil Nadu University College - (2023)
- RECYCLE REUSE RETHINK(1" place)- YUKTA EVENT - PSG Institution of Technology Coimbatore-(2023)
- Volunteered BIOSAURZZ , contributing to Bioscales and DNA trails event as an organizer - National level symposium - st.joseph's college of engineering omr chennai -(2023).
- volunteered BIOVITA , contributing to Aquashella surfers event as an organizer -National level symposium - st.joseph's college of engineering omr chennai -(2024).

PERSONAL DETAILS

- ☑ Date of Birth: 14.01.2004
- ☑ Languages Known: Tamil, English
- ☑ Marital Status: Single
- ☑ Location: Chennai

REFERENCES

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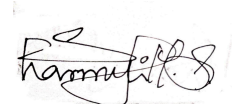
I hereby declare that the details furnished in this application are true and correct to the best of my knowledge.

SHARMYLI.M.S

E-mail: mssharmy@gmail.com

<https://www.linkedin.com/in/mssharmy266180284>

MOB NO: 8015913423

A handwritten signature in black ink, appearing to read 'Sharmyli M.S.', enclosed within a faint rectangular border.

chennai

Ms.SHARMYLI M S