

# ALEENA PHILO GEORGE

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## **EXECUTIVE SUMMARY**

Enthusiastic M.Sc. Biochemistry student with internship experience in Molecular Biology Techniques, skilled in laboratory analysis, data interpretation, and quality control. Eager to contribute to research and product development in the biotech or healthcare sector.

## EDUCATION

# MOUNT CARMEL COLLEGE, BANGALORE KARNATAKA

2024-2026

## PURSUING MASTERS IN BIOCHEMISTRY

ST. ALBERT'S COLLEGE (AUTONOMOUS), ERNAKULAM, KERALA

2021-2024

BSC CHEMISTRY

### Overall Examination Score: 80%

ST. PHILOMENA'S HIGHER SECONDARY SCHOOL, KOONAMMAVU, KERALA

2019-2021

HIGHER SECONDARY-BIO-MATHS

**Overall Examination Score: -97%**

ST. JOSEPH'S GIRLS HIGH SCHOOL, VARAPUZHA, KERALA

2018-2019

SECONDARY-10<sup>TH</sup>

## Overall Examination Score-99%

## **INTERNSHIP**

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Uniboysis Biotech Research labs, Kochi, Kerala-2025

Internship training on Molecular biology techniques of 1 month

- Conducted molecular biology experiments including DNA extraction, PCR, and gel electrophoresis
- Conducted microbial culture and enzyme assay experiments
- Used bioinformatics tools (NCBI, BLAST, ClustalW, Primer3)

## **LANGUAGE**

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English	Fluent
Malayalam	Fluent
Tamil	Intermediate

## **ACHIEVEMENTS & CERTIFICATIONS**

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- Biological Process Design for Wastewater Treatment-Swayam NPTEL (2025)
- Bioprocessing Worksop - Biozeen (2024) Certified training in upstream and downstream processing in industrial biotechnology
- Karnataka College of Pharmacy: Certified in Animal Handling and Behavioural Studies

## **WORKSHOP AND INDUSTRIAL VISIT**

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- **NCBS, Bangalore (Mar 2025):** Genome Engineering, Mass Spectrometry, Genome Sequencing, NMR.
- **ITC, Malur, Bangalore (Sep 2024):** Large-scale production processes and quality control systems.
- **NIIH/MANS Lab Training (2024–25):** Hands-on experience in SDS-PAGE, PBMC isolation, and RT-PCR.

## **PROJECT**

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### **COMPREHENSIVE STUDY OF SILICA FROM BANANA STEM AND RICE HUSK**

- This project involved the extraction and analysis of silica from agricultural waste materials—banana stem and rice husk—using biochemical and environmental techniques.

- The study aimed to evaluate the yield, purity, and potential industrial applications of eco-friendly silica as a sustainable alternative to synthetic sources.

## **SKILLS & INTERESTS**

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- Leadership quality
- Managerial skills
- Communication skills
- Technical skills on HPLC, Ion-Exchange Chromatography, Affinity Chromatography
- Working knowledge of MS Excel, MS Word, and MS PowerPoint.

## **INTERESTS: -**

- Passion for advancing knowledge in the fields of biochemistry and molecular biology.
- Interest in the biochemistry of pharmaceutical development and biotechnology applications.

## **PERSONAL INFORMATION**

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Date Of Birth: -26/11/2003

Place: -ERNAKULAM, KERALA

## **DECLARATION**

I hereby declare that the information furnished above is true and correct to the best of my knowledge and belief.