



EDUCATION

Program	Institution	%/CGPA	Year
B.S.&M.S.in Biological Sciences	IIT Madras, Chennai	7.43	2024
Class XII (CBSE)	Modern English School,Nawada,Bihar	85.4	2018
Class X (CBSE)	Modern English School,Nawada,Bihar	8.8	2016

SCHOLASTIC ACHIEVEMENTS

- Got Hindustan Pratibha Samman award by Hindustan Newspaper.

RELEVANT COURSES AND SKILLS

****NPTEL *Professional Courses**

Introduction to Programming*	Biostatistics*	S-Basic Calculus-1**
Series and Matrices*	Industrial Economics*	Intro to Abstract & Linear Algebra**
Principles of Economics*	Differential Equations*	E-Advanced Engineering Maths**
Computational Neuroscience*	Material and Energy Balances*	Numerical methods for biology*

Programming Languages: C ,Python ,Matlab*

PROFESSIONAL EXPERIENCES

Summer Internship :Nanomaterials in biotechnology. (E.Cell IIT Hyderabad)

(May '21 – Jun '21)

- Led research in applying nanomaterials to biotechnology, resulting in advancements such as targeted drug delivery, enhanced diagnostic sensitivity, and efficient gene therapy.
- explored innovative applications of nanomaterials, particularly in biomedicine, cancer diagnostics, and drug delivery.

Characterization of floral waste and Anaerobic digestion,Research Internship(IIT BHU)

(May '22 – July '22)

- Implemented innovative methods to harness floral waste's potential, leading to successful biogas production and odor management.Found mass percentages of carbon,lignin,ash content etc. present in the floral waste.
- Achieved efficient biogas production from floral waste through anaerobic digestion, contributing to environmental preservation and renewable energy generation.
- Identified floral waste as a promising substrate for biogas production, addressing challenges in solid waste disposal and reducing greenhouse gas emissions.

PROJECTS

***ongoing**

Colouring of Biodegradable drone using spider silk.,Guide : V. Kesavan(DDP Project)*

(Aug '23 – ongoing)

- Contributed to project aiming for eco-friendly aerial solutions.Emphasized on tissue-matching stiffness & biocompatibility.
- materials selection for biomedical applications, considering mechanical, chemical, and biological properties
- Researched biodegradable drone design, integrating strong spider silk for structural integrity.
- Developing innovative concepts to enhance drone sustainability. Working on materials testing and prototype construction.

Project Title : To-Do List Web Application (Angular)

(Jul '22-Aug '22)

- Developed dynamic & user-friendly To-Do List web application using Angular framework, allowing users to efficiently manage
- Implemented features for adding, deleting, and updating tasks, along with the capability to create and manage multiple sub-todos within each task, enhancing task organization and productivity.
- Tools Used: Angular, TypeScript, HTML, CSS, Bootstrap

Project Title : Bus Tracking Web Application

(Jul '22- Aug '22)

- Collaborated in a team of 5 to develop a real-time bus tracking web application for campus transportation. Designed the user interface and backend logic to display live bus locations on a map.
- Utilized GPS data from buses via APIs to provide accurate real-time coordinates. Implemented features for route visualization, bus arrival predictions, and user-friendly interface.
- Tools Used: React.js, Node.js, APIs (GPS data)

POSITION OF RESPONSIBILITIES

Coordinator at DMC(Disaster Management Committee) ,2022

(May '22– Dec '22)

- Led Quality Management System (QMS) vertical, overseeing its implementation and operations
- Ensured adherence to quality standards, process optimization, and continuous improvement. Managed team and streamlined QMS processes for enhanced efficiency and compliance.
- Made comprehensive event reports,including fire drills,2nd october dry cleaning along roadside Delhi avenue in IITM.

EXTRA CURRICULARS

HOBBIES	<ul style="list-style-type: none"> SPORTS:Took part in SAMANWAY 2019 IITM. Learned to Keyboard in NCA course ,2019.Took part in singing programmes in school.
TEACHING (Feb '22 – May '22)	<p>During the lockdown,from feb. to may I served as a Tutor at Filo Tutor app, facilitating virtual learning for students across diverse subjects from class 9th to 12th,preparing for JEE, NEET..</p> <p>During the lockdown, I successfully adapted to online teaching methods and provided effective instruction to students, ensuring continuous learning and academic progress.</p>