



## BRIEF SUMMARY

To work as a key player in a challenging environment, where in I can contribute to the successful growth of the organization, utilizing my skills and hard work thus improving my own professional and personal abilities.

## KEY EXPERTISE

C++ Java Python MySQL HTML Notepad++ MATLAB Aspen HYSYS ANSYS Excel AutoCAD  
Fusion 360

## EDUCATION

### MIT Academy of Engineering, Pune

2020 - 2024

B.Tech. - Chemical Engineering | CGPA: 6.99 / 10

### Adarsh Public School Vita Sangli Maharashtra

2020

12<sup>th</sup> | CBSE | Percentage: 63 / 100

### Adarsh Public School Vita Sangli Maharashtra, Sangli

2018

10<sup>th</sup> | CBSE | Percentage: 61 / 100

## INTERNSHIPS

### Greencraft Labs Private Limited | Chemicals / Petrochemicals / Polymer

01 Jul, 2023 - 30 Jul, 2023

#### HR Internship

Greencraft Labs Pvt. Ltd started way back in 2017 by our Chief Executive Officer & Founder Anurag Jha. Greencraft Labs is a bioculture manufacturer and supplier for wastewater treatment. Greencraft Labs a highly dedicated biotechnology company in the field of manufacturing bioculture for wastewater treatment since last 15 years.

Greencraft Labs always maintain the highest quality of product through its unique formulation of microbial strains and species in every batch of production. Availability of in-house R&D and manufacturing unit in Pune Greencraft Labs is able to customize the concentration of product according to the application and type of solid and liquid waste. A team of microbiologists and chemical engineers who are highly expertise and dedicated in continuous research for better performance of product with change in application and type of waste.

### Google digital garage

20 Jun, 2022 - 20 Jul, 2022

Google Digital Garage is an online learning platform that related to digital marketing, advertising, and online business. This course explores the effective use of social media platforms, such as Facebook, Twitter, Instagram, and LinkedIn, for marketing and promoting products or services. It focuses on optimizing websites to improve their visibility in search engine results. The course covers keyword research, on-page optimization, link building, and SEO analytics.

## PROJECTS

### Textile dye Waste Water Treatment

01 Aug, 2022 - 30 Mar, 2024

**Mentor:** Dr. Abhijeet D. Patil | **Team Size:** 3

One of the sectors that uses the most water globally is the textile industry, and the wastewater from this sector is contaminated with a variety of substances, including heavy metals, dyes, detergents, desizers, stabilizing agents, and degradable organics. A large number of materials have been used for reduce COD from water. The treatment of textile dye wastewater having high chemical oxygen demand (COD) in the range of 21000 to 22300 Mg/L. by Ultrasonication (With and without dipping) was examined. Batch experiment were performed to find optimal sonication time (With and without dipping) to get the best results in terms of pH and % degradation. In sonication without dipping, the optimal time was 160 min and 42.2% COD removal is obtained at pH 4. In Sonication with dipping, the optimal time was 120 min and 71.2% COD removal is obtained at same pH. This study suggests that, the sonication (with dipping) process is more efficient for removal of COD from dye wastewater.

## ASSESSMENTS / CERTIFICATIONS

Dynamic Simulation for process design and performance optimization using HYSYS

National level technical event NIRMITI 2023

## CO-CURRICULAR ACTIVITIES

- o Participated in national conference "Paper presentation" on topic Textile dye Waste Water Treatment by using ultrasonication , part of PRAKALP 2023 , organized by MIT Academy of Engineering
- o Participated in state level Basketball atdist sangli, organized by krida sankul sangli.

## PERSONAL INTERESTS / HOBBIES

- o boxing
- o Photography
- o Swimming
- o Trekking

## WEB LINKS / IMs

- o WhatsApp - 7666909663
- o Twitter - [https://twitter.com/Sagau\\_chavan?t=bKTIuHtPd48EgD6Plnym3Q&s=09](https://twitter.com/Sagau_chavan?t=bKTIuHtPd48EgD6Plnym3Q&s=09)

## PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Single

**Current Address:** Near by anand hospital, mit engineering college, Gajanan Maharaj Mandir, Pune, Maharashtra, India - 412105

**Emails:** sagar.chavan@mitaoe.ac.in , sagarbchavan143@gmail.com

**Date of Birth:** 24 Aug, 2002

**Known Languages:** English, Hindi, Marathi, Haryanvi

**Permanent Address:** at/p Bhivghat, tal:-khanapur Dist:- sangli, Sangli, Maharashtra, India - 415307

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