

SATHYA SAKTHIVEL

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ABOUT ME

An enthusiastic fresher with highly motivated and leadership skills with Multilingual ability to analyse , solve and create innovative world class solution using available resources. I always believe that Greater Hardware comes with Greater Software which leads greater product.

WORK EXPERIENCE

- June 2019 **INDUSTRIAL VISIT**
Pasteur Institute of India- Conoor Ooty
 - Learning need of Future jobs
- June 2019
- Sep 2018 **NATIONAL CADET CORPS (ARMY WING)**
 - Promoted as a Camp senior for other college's
 - Served as a Sargent in BIT
- Feb 2021

EDUCATION BACKGROUND

- 2017 - 2021 **BACHELOR OF MECHANICAL ENGINEERING**
(Present) Bannari Amman Institute of Technology,Sathy
Pursuing with 86%
- 2016 - 2017 **HIGH SCHOOL – PCMB**
Sri Sakthi Matric Higher secondary School, Namakkal
Graduated with 91 %
- 2015 - 2016 **JUNIOR SCHOOLING – GENERAL STUDIES**
Sri Sakthi Matric Higher secondary School, Namakkal
Graduated with 97%

ACCOMPLISHMENTS

- Awarded with NCC “B” certificate with “A” grading
- 2nd in Paper presentation on the topic named “ Tachyon Particle ”
- An Active member of National Service Scheme
- Served as a co-ordinator for several events in our department
- Project presentation of Extraction of hydrogen and Biodiesel from algae
- 1st Place in NCC Obstacle running



LANGUAGES

ENGLISH ■ ■ ■
TAMIL ■ ■ ■
■ SPEAK ■ READ ■ WRITE

Programming languages

C ● ● ● ● ●
PYTHON ● ● ● ● ●

Academic Skills

CYRUS ● ● ● ● ●
DE NOVO ● ● ● ● ●

Soft Skills

- Public speaking
- Time Management
- Problem Solving
- Task and Team management

HOBBIES

- Tamil poem writing
- Throw ball
- Swimming

CERTIFICATION

- Course on Yoga Empowerment (2019-10)
- Completion of NCC B Certificate (2018-12)
- Course on COVID-19 awareness (2019-03)
- Course on NPTEL(Industrial Biotechnology) (2019-07)

PROJECTS

STRUCTURAL INSIGHTS OF HUMAN H2AFX

- Protein responsible for the coiling of DNA into chromatin
- Damage in H2AFX may lead to improper coiling.
- This protein is recruited for DNA damage signaling and repair

EXTRACTION BIODIESEL FROM ALGAL SPECIES

- Compared to other sources of biofuels, algae can produce much more oil per acre **10 to 300 times more**
- Algae can be grown in numerous locations, including wastewater or water around power plants or factories
- Algae biofuel can be refined in a similar way to petroleum products

EXTRACTION OF HYDROGEN FROM ALGAL SPECIES

- The **biological hydrogen production** with algae is a method of photobiological water splitting which is done in a closed photobioreactor based on the production of hydrogen as a solar fuel by algae.
- Algae produce hydrogen under certain conditions. In 2000 it was discovered that if *C. reinhardtii* algae are deprived of sulfur they will switch from the production of oxygen, as in normal photosynthesis, to the production of hydrogen.