

S KARTHIK SHANKAR

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The objective is to attain a position to utilize my knowledge and abilities in your organization that offers competitive environment, a true profession to demonstrate the acquired skills and gain exposure to upcoming technologies while being resourceful, innovative and flexible. My experience includes designing, executing and refining experiments while managing state-of-art laboratory forwholesome research and analysis. .

Experience

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| Sep 2020 - Present | <u>CLRI-CSIR CHENNAI</u> M.tech dissertation Environmental Engineering Department Chennai Laboratory management and day-to-day activities <ul style="list-style-type: none">• Designing and execution of experiments in mixed consortia enhanced biological tannery wastewater treatment.• Maintaining accurate records and provide ready access to all experimental data after proper compilation and analysis.• Carrying out quality assurance tests to discover errors and optimize results for repeatability.• Calibration and maintenance of laboratory equipment's as specified by the requirements ofthe study. |
| Jun 2018- May 2019 | .Worked as level 2 Technical Support staff in Service Industry Bangalore. |
| Jan 2017 - Apr 2017 | <u>Birla Institute of Technology</u> B.tech thesis (Biotechnology) Microbiology Ranchi <ul style="list-style-type: none">• Worked in bio conversion of ferulic acid into vanillin using microbial culture.• Culturing and sub culturing of bacterial strains and biochemical tests for the bacteria strains.• Calibration and maintenance of laboratory equipment's as specified by the requirements of the study. (Like HPLC, rotary evaporator, Ultra centrifuge) |

Education

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| Jun 2019 – May 2021 | <u>Maulana Azad National Institute of technology Bhopal (NIT-Bhopal)</u> M.Tech Biotechnology Distinction 8.4/10 (tentatively) |
| Aug 2013 – May 2017 | <u>Birla Institute of technology (BIT-Mesra)</u> B. E Biotechnology Distinction 7.42/10 |
| 2013 | <u>Army Public School Meerut</u> PCMB Distinction 88.6 |
| 2011 | <u>Army Public School Jorhat</u> B.E Biotechnology Distinction 9/10 |

Certifications and Awards

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| 2018,2019 | Gate qualified |
| 2013 | Selected for SSB interview (Navy and Army) |
| 2011 | District Talent Search Examination |

Skills

HPLC|CSTR and Airlift fermenter(5L-labscale)| Distillation for ammonia,TKN analyzer for nitrates and nitrites in wastewater samples| Microscope (CH20i), UV/Vis spectrometer| Ultra/continuous centrifuge and Mini spin centrifuge|Plating techniques.

Soft skills: Data collection and compilation | Statistical and graphical analysis | Critical thinking | Communication skill – verbal and written| Beginners level proficiency in C/C++, Java Programming|Advance level proficiency in Microsoft applications. .

