

V.AKSHAY HARIHARAN

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SNAPSHOT

I'm a driven, responsible and motivated individual with a passion for innovation and problem-solving. seeking a suitable position that allows me to contribute my skills and knowledge while continuously learning and growing within a dynamic professional environment.

PROJECTS

Green synthesis of Copper micro lubricant from E-waste. (April 2023-June 2024)

- Synthesized Copper micro-particles of size range 20 nano meter to 100 micro meter from the copper wires recovered from E-waste.
- Formulated a copper based lubricant from the above product with a mean co-efficient of friction of 0.09 meeting industry testing standards and can be used in gears and machinery
- Research paper published in Springer nature volume book - manuscript number ANN-OP56.

Review Paper: Green synthesis of nanomaterials for battery thermal management applications.(January 2023-April 2023)

- Successfully submitted a review paper on the above topic as a part of Experiential learning for an elective subject.
- This paper mainly focuses on the use and green synthesis of various nanomaterials for the thermal management of Li-ion batteries.

Ceramic water filter press using car jacks (May 2021-October 2021)

- Designed a ceramic water filter press for economically backward villages with no clean water. Easily available car jacks was opted to be the pressing device.
- A Part of Design thinking component in 4th semester

Internship (October 2023 - December 2023)

- Interned in JSW steel ltd under O&M contractor NALCO water.
 - Worked in the subject " Cryogenic CO2 injection system in blast oxygen furnace scrubber".
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ACADEMIC QUALIFICATION

Bachelor of Chemical Engineering (Dec 2020-June2024)

R.V College of Engineering , Bangalore

- Graduated first class with Distinction with a CGPA of 8.50.

Higher Secondary education , XII (August 2019 - March 2020)

Venkat International Public School , Bangalore

- Passed with 85%.
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AWARDS AND ACHIEVEMENTS

- Best paper presentation award in SCHEMCON 2023 host by the Indian institute for Chemical engineers (IICHE).
- Best oral presentation award in BIOCHESS hosted by Siddaganga institute of technology , Tumkur
- VICAL award for the best paper presentation by an undergraduate student in SCHEMCON 2024 .
- Project nominated to be presented in CHEMCON 2023 hosted by IICHE .

ADDITIONAL DETAILS.

- **Technical Skills:** Fluid mechanics , Mass transfer , Public speaking, Project management, Nano particle synthesis , Green synthesis of nano and micro particles ,UNISIM , ANSYS and Matlab
 - **Languages:** English, Hindi , Tamil and Kannada.
 - **Internships:** JSW steel ltd under O&M contractor NALCO water.
 - **Awards/Activities:** Received “best paper” award in SCHEMCON 2023 hosted by the Indian Institute of Chemical Engineers (IICHE).
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PERSONAL DETAILS.

Languages : Read ,write, speak - English and Hindi

Speak only : Malayalam , Tamil and Kannada

Address : No:10 , Chandra residency , 15th cross, 2nd temple street , Malleshwaram , Bangalore Karnataka ,560003.

Date of Birth : 26 October 2002.