

Divyesh Cirikonda

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IIT Bhubaneswar

Minerals, Metallurgical and Materials Engineering

Fourth Year Undergraduate

CGPA: 8.55/10

Education

Year	Degree/Examination	University/Board	%/CGPA
2022*	Minerals, Metallurgical and Materials Engineering	Indian Institute of Technology Bhubaneswar	8.55/10
2019	Intermediate (12 th standard)	Board of Intermediate Education, T.S	95%
2017	Secondary School Certificate (10 th standard)	Central Board of Secondary Education.	10/10

Work Experience

Personal

- Currently working on Btech project involving nano-crystalline particles.
- Working on a project based on thermoelectric materials for green energy applications.
- Working on a project based on DAP (Di-Ammonium Phosphate) process for fertilizer quality check.
- Completed an internship under Skillvertex in the field of Data Science and Machine Learning.
- Worked on personal projects in the field of computer vision using the OpenCV software.
- Looked into supervised, unsupervised and reinforcement learning by taking part in courses.
- Highly interested in pursuing the field of nano-particles, nanotechnology, thermoelectric materials and their application in the real world.

Projects

Thermoelectric materials optimization

- The objective of the project is to enhance thermoelectric and mechanical properties of n-type Mg₂Si based thermoelectric materials.

Stability of Nano-Crystalline materials

- This is project assigned under department professor involving analysis of stability of nano-crystalline materials where the variables are the alloying element composition, solute diffusion and so on.

DAP (Di-Ammonium Phosphate) fertilizer process control

- The objective of the project is to optimize the output of the fertilizer and look into the parameters and process control variables to enhance the quality.

Technical Skills

Programming Languages : C, C++, Python

Other : Adobe Premier Pro, MySQL, Git, Matlab, LTSpice, MS Excel, Origin, COMSOL

Scholastic Achievements

- Secured a rank of 3999 in JEE Advanced'19.
- Science Olympiad Foundation: Secured international ranks of 596 and 580 in National Cyber Olympiad conducted by SOF for classes 8 and 9, respectively,
- Competition on innovation: 1st position for a national competition on innovation conducted by Jadavpur University Alumni Association in 2015.

Positions of Responsibility

Wissenaire

Sept 2019 - April 2022

Events Core Head

- Incharge of conducting and managing different events and workshops, have experience with approaching and connecting with people.

Secretary

Mar 2022 - August 2022

Mess Secretary, IIT Bhubaneswar

- Incharge of managing and looking after proper function of mess, have experience in communicating and taking decisions for everybody's welfare.

Extra-Curricular Activities

- Music
- Dance
- Sports
- Travelling