

Shiny Lohani

At/Po- Jhumpura, Pincode-58031
District-Kendujhar, Odisha, India
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EDUCATION

National Institute of Technology Rourkela B.Tech: Metallurgical and Materials Engg. Minor Degree: Computer Science Engg. CGPA: 9.23/10	2017-2021
ODM Public School, Bhubaneswar Intermediate (Science) Percentage: 94.8	2016
Green Field School Palasanga Matriculation CGPA: 10/10	2014

INTERNSHIPS

Council of Scientific and Industrial Research Summer Research Training Programme 2020	Jun-Aug 2020
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I prepared a technical report on "Metallurgical Aspects of Additive Manufacturing and its Applications". Lectures by eminent scientists along with essay and video assignments helped in interpersonal growth.

Rashtriya Ispat Nigam Limited Vishakhapatnam	Dec 2019
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I explored the integrated steel plant and got acquainted with the metallurgical industrial practices in iron and steel making.

PROJECTS

Mode I Fracture Toughness test of Multi-Layered Graphene embedded GFRP composites under cryogenic conditioning
Ongoing

Theoretical and Numerical Approach for the Prediction of Elastic properties of Cross-ply GFRP with Experimental Validation
May-July 2019

PUBLICATIONS

Effect of Ultraviolet Radiations on Interlaminar Shear Strength and Thermal Properties of Glass Fiber/Epoxy Composites
Accepted in Materials Today: Proceedings
To be presented at International Conference on Energy, Materials Sciences and Mechanical Engineering - ESMSE 2020

COMPUTER SKILLS

General Programming
C, C++, HTML

Softwares

Proficient	Origin Lab Ms-Excel Ms-Word Ms-PowerPoint
Elementary	ANSYS Ansys-Autodyn LAAMPS Matlab

SOFT SKILLS

Professional Communication
Confident Public Speaking
Dynamic Presentation skills
Team Leadership
Strong work ethics

Languages:

English, Hindi, Odia,
German(A2)

CO-CURRICULARS

Founding Member – Steellun
Material Advantage Student Chapter
(2018-Present)

Student Member
Indian Institute of Metals Student Chapter

Subject Matter Expert (Chemistry)
Chegg India
(Mar.-Jun. 2020)

Tutor
Institute Counselling Services
NIT Rourkela
(2018)

PAPERS IN PREPARATION

An evaluation of the flexural behavior of glass/carbon fibers hybrid polymer composites for low temperature applications

Improved static and dynamic mechanical properties of glass fiber interleaved Kevlar fiber composites

ACHIEVEMENTS

- Academic Excellence Award for the year 2019-2020
- National Engineering Olympiad 2020 (*All India Rank 14*)
- Selected for OPJems Scholarship twice consecutively
- Poster Presentation Competition at Jadavpur University(*Finalist*)
- Mineral Development and Awareness Quiz Programme(*Finalist*)

ADDITIONAL COURSES

Desulphurization (*TATA Steel Capability Development*)

Fuel and Combustion (*TATA Steel Capability Development*)

10 Things Every Materials Engineer Should Know (*Coursera*)

Business English Communication: Networking (*Coursera*)

Excel Automation (*Internship Studio*)

Business Research Methodology (*Elective*)

GENERAL RESEARCH INTERESTS

Additive Manufacturing Process Development

Nanocomposites based on CNT and Graphene

Fiber-reinforced Polymer Composites

EX-CURRICULARS

Vice-President (2019-2020)

AKRITI - Art and Craft Club

NIT Rourkela

Mentor (2019-2020)

Institute Counselling Services

NIT Rourkela

Volunteer (2017)

National Service Scheme, India

HOBBIES

Crafts

Exhibition Projects in Quilling, Paper Cutting and 3D Origami

Keyboard Typing

Typing Speed: 50 wpm

Accuracy > 95%

Language Learning

Achieved A2 level in German

PERSONAL INFO.

Gender: Female

Marital Status: Unmarried

DOB: 12th November 1998

LinkedIn Profile

www.linkedin.com/in/shinylohani/

FRP Composites Lab, NIT Rourkela

www.frpclabnitrkl.com/personnel