

# AMRIT JENA

**3<sup>rd</sup> year (5<sup>th</sup> sem)/ B-Tech (2017-present) Dept. of Metallurgical and Materials Engineering,  
National Institute of Technology Rourkela, Govt. of India, Rourkela-769008, Odisha, India**

## PERSONAL DATA

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DATE OF BIRTH: 1<sup>st</sup> June ,1999

ADDRESS: C/o-Amiya Kumar Jena, Near College Road, Rahama, Jagatsinghpur, Odisha-754142

CONTACT NO.: +919658636724/+918249215968

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## CAREER OBJECTIVE

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To take up a responsible career and accept challenging work with discipline and determination and translate my knowledge, hard work and acquired skills into value for my nation.

## EDUCATION

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2017- Present	<b>MAJOR DEGREE:</b> B-Tech Metallurgical and Materials Engineering <b>MINOR DEGREE:</b> B-Tech Mechanical Engineering <b>National Institute of Technology, Rourkela, Odisha, India -769008</b>	<b>8.74/10.0</b>
May 2016	<b>NAIDU +2 SCIENCE COLLEGE, BHUBANESWAR</b> Council of Higher Secondary Education, Odisha	<b>79.00%</b>
May 2014	<b>JAWAHAR NAVODAYA VIDYALAYA, JAGATSINGHPUR</b> Central Board of Secondary Education, India	<b>10.0/10.0</b>
May 2009	<b>SARASWATI SISHU VIDYAMANDIR, RAHAMA</b>	

## RESEARCH EXPERIENCE

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1. Presented my research work "**Tribological and Thermo-Mechanical behaviour of dual nano-particle (GRAPHENE and SiO<sub>2</sub>) reinforced E-Glass fibre epoxy composites**" on International Conference ICPCM (**International Conference on Processing and Characterization of Materials**) 2019.

**Status-** paper on review

2. **NIT ROURKELA | SUMMER RESEARCH INTERN**

May 2019 - July 2019 | Guide: Dr Rajesh Kumar Prusty, Dept. of MME

Impact analysis of hybrid composites using different stacking sequence and orientations of KFRP (Kevlar fibre reinforcement polymer) & GFRP (Glass fibre reinforcement polymer) composites.

3. **NIT ROURKELA | RESEARCH PROJECT MEMBER**

July 2019 - Present | Guide: Dr Rajesh Kumar Prusty, Dept. of MME

Tribological and Thermo-Mechanical behaviour of dual nano-particle (GRAPHENE and SiO<sub>2</sub>) reinforced E-Glass fibre epoxy composites

## PROFESSIONAL MEMBERSHIP

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1. ASM International (Membership No- 547971)

## ACHIEVEMENTS

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- Got nominated for MDPA (Mineral Development Awareness Programme) by SGAT (Society of Geoscientists and Allied Technologists) from my branch (2019)
- Opportunity to pursue Minor degree due to a good CGPA in 1<sup>st</sup> year (2018)
- Qualified Jawahar Navodaya Vidyalaya Entrance Exam, Central Government of India (2009)
- State Government Scholarship (2008 and 2006)

## TECHNICAL SKILLS

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<i>Programming Languages</i>	C, C++, PHP, MySQL, HTML
<i>Operating System</i>	Windows and Linux
<i>Computational Software</i>	Ansys Basics, THERMOCAL, X'PERT high score
<i>Other software</i>	MS Office
<i>Metallurgical &amp; material processes</i>	Polymer and composite, mechanics of material, deformation behaviour of materials, Thermodynamics, Phase Transformation, Physical Metallurgy

## EQUIPMENT EXPERIENCE

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UTM (Universal Testing Machine), DSC (Digital Scanning Calorimeter), DMA (Dynamic mechanical analysis), TGA (Thermogravimetric analysis), Electron Microscope (SEM, ESEM, FESEM, TEM), FTIR (Fourier-transform infrared spectroscopy), Environmental chambers (x-ray diffraction)

## Extra-Curricular Activities

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- AASRA (social service club) - captain (2019)
- SCP (student counselling programme, NIT ROURKELA) - coordinator (2019)/ mentor (2018)
- STELLUN (social service club) - management team head (2019)
- E-CELL (entrepreneurship) - core member (2019)/chief-coordinator (2018)
- INNOVISION-2019 (Tech-Fest of NITR) - organising team (2019)
- INNOVATION CARNIVAL - core team (core team)
- VRIDDHI-2019 (Sports Fest of NITR) - Manager
- ALL INDIA INTER-NIT TOURNAMENT (2019) - Manager

## SOFT SKILLS

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Decision Making, Time Management, Ability to manage the work under high pressure situations, Outstanding presentation and analytical skills.

## INTERESTS AND ACTIVITIES

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Travelling, Photography, reading books, Singing, Cycling, Sports Enthusiast, Painting