

# Supreet Mohanty

## PERSONAL DATA

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DATE OF BIRTH: 06 September 1997  
ADDRESS: M-120, Housing Colony, Baramunda, Bhubaneswar, Odisha, India-751003  
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## CAREER OBJECTIVE

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1. Aspiring researcher to work in the field of computational materials science
2. Taking responsibility and accomplishing it with patience and determination
3. Provide service for completion of long developmental goals

## EDUCATION

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2017-PRESENT B.Tech METALLURGICAL AND MATERIALS ENGINEERING,  
**National Institute Of Technology, Rourkela**  
Major: Metallurgical and Materials Engineering  
Advisor: Dr. Rajesh Kumar Prusty  
GPA: 7.56/10

JUNE 2016 Intermediate in SCIENCE,  
**Council of Higher Secondary Education, Odisha**  
NAIDU SCIENCE COLLEGE, BHUBANESWAR  
PERCENTAGE: 83.5

JUNE 2014 Matriculation ,  
**Central Board of Secondary Education**  
ST. XAVIER'S HIGH SCHOOL, KHANDAGIRI, BHUBANESWAR  
PERCENTAGE: 95

## PROJECTS

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DFT CALCULATIONS OF CNT AND BNT	OCT - PRESENT , 2019 It is ab-initio simulations of carbon nanotubes and BN tubes using Quantum Espresso software , BURAI and ElaStic module for finding various parameters associated with it using High Performance computer of institute.
SIMULATION FOR FIBRE ANALYSIS	FEB - MAR , 2019 Worked with polymer and composite materials (FRPC) focusing on tasks related to property and glass fiber simulation with epoxy , agglomeration with CNT (carbon nanotube) and alignment to enhancing property. Upon doing these i got an opportunity to learn basics about ANSYS software and simulations.

## WORK EXPERIENCE

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MAY-JULY 2019 SUMMER INTERN, INDIAN INSTITUTE OF TECHNOLOGY (BHU), VARANASI  
Worked on the field of computational thermodynamics. Calculated properties using equation of state and DFT calculation of refractory materials using quantum espresso software. Worked on cluster expansion of Mo-Ti HCP and BCC systems on ATAT software for thermodynamic assessment and calculation of phase diagram

DEC 2018 INTERN, ODISHA MINING CORPORATION (DAITARI IRON ORE PROJECT)  
Learnt about extraction of ores and functioning of various equipments.

## SOFT SKILLS

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LANGUAGES	English - Professional Fluency Hindi - Basic Fluency Odia - Mother Tongue
SOFT SKILLS	Leadership Time-Management and Pressure Handling Socially Interactive Positive attitude

## EXTRA CURRICULAR ACTIVITIES

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VRIDDHI(SPORTS FEST OF NITR)	<i>Convenor (Dean's Nominee), 2019-Present</i> I was nominated by the Dean (Student Welfare) of the institute to work with my co-convenors in organising the largest sports fest of Eastern India ,with estimated participants to be around 750.
STUDENT COUNSELLING PROGRAM	<i>Mentor, 2019-Present</i> Being part of an esteemed body of the institute ,my role as a mentor involves guiding and helping the freshmen of the institute in matter involving academics and other aspects
GAMES AND SPORTS SOCIETY	<i>Secretary,2018-19</i> As a elected member I was responsible for managing ongoing sports activities of the institute and helping managing various sports fests of institute
PHYSICAL EDUCATION	<i>Chief Coordinator, 2018-19</i> My work basically involved working with the Officer-in-charge in arranging Physical Education classes and evaluating students performance through various games,trekking,jogging
E-CELL,NITR	<i>Member, 2017-Present</i> Primarily developing business skills,gaining knowledge about market scenario.

## ACCOMPLISHMENTS

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JAN 2014	Conferred Diploma in Sathya Sai Education
DEC 2013	Represented School at Vodafone Derek's Faster,Smarter,Better Challenge
NOV 2013	1st State rank at International Informatics Olympiad by Silverzone
JULY 2013	Represented School at RBI Quiz
SEP 2009	HDFC Bank Meritus Scholarship

## PROFESSIONAL DEVELOPMENT

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GETTING STARTED WITH PYTHON	Completed course offered by University of Michigan on Coursera.org
A CRASH COURSE IN DATA SCIENCE	Completed course offered by Johns Hopkins University on Coursera.org
SQL FOR DATA SCIENCE	Completed course offered by University of California, Davis on Coursera.org
DATA DRIVEN DECISION MAKING	Completed course offered by PwC(via Coursera.org)
PROBLEM SOLVING WITH EXCEL	Completed course offered by PwC(via Coursera.org)

## SOFTWARE PROFICIENCY

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General Programming:	C ,C++,Python
Other Software:	MS Office,Libre Office,AutoCAD,Origin
Operating System:	Windows,Mac OS,Linux(Ubuntu)
Computational Software:	Quantum Espresso, ATAT , ANSYS ,BURAI,ThermoCalc,Philips Xpert Highscore

## INTERESTS AND ACTIVITIES

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Sports,Technology,Travelling,Reading Books,Football,PC Gaming  
Communication,Presentation,Interactive