

# Anwasha Panda

## PERSONAL DATA

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DATE OF BIRTH: 24 February 1998  
ADDRESS: D/11, Nalconagar, Angul, Odisha  
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## CAREER OBJECTIVE

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To get involved in a team working on futuristic projects in the field of Materials Engineering to improve my technical skills and apply the understanding acquired during my previous experiences .

## EDUCATION

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CURRENT B.Tech METALLURGICAL AND MATERIALS ENGINEERING,  
**National Institute Of Technology**, Rourkela  
GPA: 9.06/10

2016 Intermediate in SCIENCE,  
**Delhi Public School**  
PERCENTAGE: 95

2014 Matriculation ,  
**Delhi Public School**  
CGPA: 10

## PROJECTS

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JUNE-JULY, 2018 | HIGH TEMPERATURE WEAR AND ANTI-STICK SOLUTIONS FOR SINTER AND PELLET PLANTS  
Performed case study to tackle the challenge of wear and jamming of liner plates, raw material handling areas; Proposed two solutions viz; Metal spraying of Stellite onto existing material using oxy-gas spray systems and fusing and/or Application of a cladding layer of Ni<sub>3</sub>Al matrix composite reinforced with 18 vol. pct Cr-carbides using tungsten inert gas (TIG) welding process on high strength steel substrate.

## WORK EXPERIENCE

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MAY-JULY, 2019 | SUMMER INTERN AT NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE  
Synthesized and characterized gold and alloy nanoparticles; Examined the binding of proteins to gold nanoparticles to BSA with the aim to separate a target biomolecule which aids detection of oral cancer; Separated DNA and BSA on a lateral flow assay

JUNE, 2018 | SUMMER INTERN AT INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR  
Investigated the effects of addition of CaO to composite pellets directed at the production of iron nuggets in rotary hearth furnace processes; Observed that CaO accelerated the reduction behaviour of the iron ore fines present in composite pellets

MAY, 2018 | SUMMER INTERN AT TATA CENTRE, KOLKATA  
Studied the current fire behaviour test methods and fire safety standards in place in the European Union and the United States; Proposed improvements that could be adopted in the Indian scenario for the same

DECEMBER, 2017 | VOCATIONAL TRAINEE AT NATIONAL ALUMINIUM COMPANY LTD., ANGUL  
Gained insight on Aluminium making process (Hall Heroult process)

## TECHNICAL SKILLS

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Software: FactSage, Spana, Gaussian, EIS Analyzer

## SOFT SKILLS

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LANGUAGES English and Hindi - Professional Fluency  
Odia - Mother Tongue

SOFT SKILLS Ability to work in a team  
Diligent, determined and dedicated  
Presentation skills and Problem solving

## EXTRA CURRICULAR ACTIVITIES

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CHITRAANG | *Creative Head, 2019 - present; Member, 2017-present*  
Designed several graffitis; Organised Pallete, the annual art exhibition of NIT Rkl; Had the most number of displays at Pallete 2018

## SCHOLARSHIPS AND CERTIFICATES

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AUGUST 2018 | RANKED 1ST IN B.TECH(METALLURGICAL AND MATERIALS ENGG), 2ND YEAR (SGPA -9.63/10) IN THE ACADEMIC SESSION 2017-18

JULY 2018 | SELECTED AS ONE OF THE TOP 30 CANDIDATES FROM OVER 800 PARTICIPANTS OF WOMEN OF METTLE SEASON 2.

2010 | AWARDED NTSE SCHOLARSHIP

BEFORE 2010 | MERITED PERFORMANCES IN OLYMPIADS CONDUCTED BY SOF, UNIFIED COUNCIL OLYMPIAD

## INTERESTS AND ACTIVITIES

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Monochrome Art and Sketches  
Guitar enthusiast  
Badminton