

BOLEM SURYA PRAKASH

IIT Bhubaneswar, Orissa
(+91)8179982791 ♦ bsp10@iitbbs.ac.in

EDUCATION

Indian Institute of Technology, Bhubaneswar Bachelor of Technology in Metallurgical and Materials Engineering	<i>July 2016 - Present</i> CGPA: 7.33
Narayana Junior College, Visakhapatnam Board of Intermediate Education, Andhra Pradesh	<i>July 2014 - May 2016</i> Percentage: 98.2
Sri Chaitanya Techno School, Narsipatnam Secondary School Certificate	<i>April 2014</i> CGPA: 9.7

PROJECTS AND INTERNSHIPS

Hand Written Digit Recognition

- Developed a Neural Network that classifies Hand-Written Digits (0 - 9)
- Dataset used: MNIST

Effect of grain size and texture on mechanical properties in pure nickel

- Developing microstructure before and after annealing, analysing the effect of grain size on mechanical properties.
- Performing mechanical testing operations such as tensile testing and texture testing
- Performing texture before and after annealing using EBSD and analysing its impact on mechanical properties.

Determination of bond work index for different bauxites and to improve process efficiency

- Performed grinding and milling operations for different grades of bauxite in R&D, Hindalco industries
- Bond work index of the bauxite was calculated and presented before the company management

TECHNICAL SKILLS

Languages	Java, MATLAB
Data Analytics	Neural Networks, Regression
Software & Tools	Microsoft Office

POSITIONS OF RESPONSIBILITY

Wissenaire, IIT Bhubaneswar <i>Core Head</i>	February 2019
Worked in the events and management team of Wissenaire, the annual techno management fest of IIT Bhubaneswar.	