

# Sampad Barik

## Personal info

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### Address:

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## Education

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### MTech and Btech (Dual Degree)

*Indian Institute of Technology, kharagpur*

July 2016 - April 2021

CGPA - **8.46/10**

### All India Senior School Certificate Examination

*Central Board of Secondary Education*

March 2016

Aggregate - **95.2%**

### All India Secondary School Examination

*Central Board of Secondary Education*

March 2014

CGPA - **10/10**

## Research Experience

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Structural Characterization of Materials Lab, Dept. of Metallurgical and Materials Engineering IIT Kharagpur 2020

*Senior Undergraduate research Assistant*

Topic : Brief Review of pseudo Capacitive properties of anode materials used in lithium based storage devices

Structural Characterization of Materials Lab, Dept. of Metallurgical and Materials Engineering IIT Kharagpur 2018-2019

*Junior Undergraduate research Assistant*

Topic : Synthesis and analysis of nanometric Nickel morphologies with change in Electrodeposition parameters

## Term Projects

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### Metal[Al]-CNT Nanocomposite

Apr 2020

*Instructor : Prof. Tapas Laha*

### Growth of Metallic Single Crystal and Directionally Solidified Alloys

Oct 2019

*Instructor : Prof. Indranil Manna*

### Comparative study of support Vector regression & Time Series models

Apr 2019

*Instructor : Prof. Swanand Khare*

## Skills

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*Instrument* AutoLab PGSTAT, SEM, TEM, XRD, OM, Nano-indentation, Hardness Testings

*Programming* C,C++,Python,Matlab

*Software* Comsol, Solidworks, LAMMPS, Origin, ImageJ, Autodesk Maya, MS Office

## Awards/Achievements

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- Secured Dual degree student's assistantship at IIT Kharagpur for final year
- Part of the silver medal winning Volunteer team, National Service Scheme, IIT Kharagpur
- Qualified for Joint Entrance Examination (JEE Advanced) in India, with 99.5 percentile
- Was the district topper in AISSCE(Class 12)