

# Noumaan Bin Nisar

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## EDUCATION

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<b>National Institute of Technology</b>	Srinagar, J&K
<b>B.Tech-Metallurgical and Materials Engineering</b>	Jun 2023
<b>CGPA: 8.238</b>	
<b>Tyndale Biscoe School</b>	Srinagar, J&K
<b>Senior Secondary School-12<sup>th</sup> -79%</b>	Jan 2018
<b>Tyndale Biscoe School</b>	Srinagar, J&K
<b>Secondary School-10<sup>th</sup> -94.2%</b>	Jan 2016

## INTERNSHIPS

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<b>Himalaya Platinum Rolling Steel Mills</b>	Srinagar, J&K
<b>In-plant Intern</b>	Jun 2021 - Jul 2021
• Familiarised with the layout of processing and manufacturing operations.	
• Studied the underlying principles of processing and manufacturing of TMT steel bars.	
• Trained in various methods for testing and quality control.	
<b>Indian Institute of Technology, Bombay</b>	Mumbai, MH, India
<b>Research Intern</b>	Dec 2021 - Feb 2022
• Implemented the use of computational software SPPARKS for microstructural evolution.	
• Created a tutorial for setting up and using the software on Ubuntu.	

## RESEARCH PROJECT

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<b>National Institute of Technology</b>	Srinagar, J&K
<b>“Improvement of mechanical properties of steel through short time tempering”</b>	Jul 2022 – Jun 2023
• Led a team of four to perform the tasks for the project work.	
• Performed phase diagram computations using Thermocalc.	
• Implemented the use of an industrially feasible salt bath method for achieving ultrafast heating rates.	
• Designed three different heat-treatment cycles for property improvement to create AHSS-grade steel.	

## WORKSHOPS AND TALKS ATTENDED

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Computational Techniques in Metallurgical and Materials engineering

17 Oct 2022 - 21 Oct 2022

Key learnings: Molecular dynamics and microstructure simulation software; Micress, Microsim, Thermocalc.

LSdyna and its application in metallurgy

Scope of metallurgical and materials engineering in the automobile industry.

## LEADERSHIP EXPERIENCE

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### IIEDC, NIT

Srinagar, J&K

#### *Idea bank Manager*

Mar 2021 – Jun 2023

- Motivated students to pursue innovation at grass root levels by organizing various events and workshops
- Managed a database of ideas given by the students
- Organized and optimised the process of selection of the IIEDC team 2022.

### KUXNIT-Model United Nations

Srinagar, J&K

#### *Campus Ambassador*

Aug 2022

- Motivated college students to participate in the Model United Nations by conducting class interactions.
- Monitored and ensured the smooth functioning of the 3-day event at NIT, Srinagar.

## SKILLS

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Mechanical testing: Tensile test, Vickers hardness, Rockwell and Brinell hardness test.

Familiarity with characterization techniques such as XRD, XRF, SEM, TEM etc.

computational software: Thermocalc, ANSYS, SPPARKS, Micress

Metallography, heat treatment, Non-destructive testing.

MS Office, Latex

## LANGUAGES KNOWN

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Strong communication skills with fluency in verbal and written English; other languages known: Urdu, Kashmiri.