

Noumaan Bin Nisar

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EDUCATION

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

INTERNSHIPS

Himalaya Platinum Rolling Steel Mills <i>In-plant Intern</i> <ul style="list-style-type: none">• 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.	Srinagar, J&K Jun 2021 - Jul 2021
Indian Institute of Technology, Bombay <i>Research Intern</i> <ul style="list-style-type: none">• Implemented the use of computational software SPPARKS for microstructural evolution.• Created a tutorial for setting up and using the software on Ubuntu.	Mumbai, MH, India Dec 2021 - Feb 2022

RESEARCH PROJECT

National Institute of Technology <i>“Improvement of mechanical properties of steel through short time tempering”</i> <ul style="list-style-type: none">• 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.	Srinagar, J&K Jul 2022 – Jun 2023
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WORKSHOPS AND TALKS ATTENDED

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

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

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

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