



**ASHUTOSH KUMAR**  
M.Tech- Materials Engineering(Pursuing 2021-23)  
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IISc Bangalore, Karnataka, 560012



## KEY EXPERTISE / SKILLS

Optical Microscopy   Universal Testing Machine   Ultrasonic testing   Microhardness testing machine   Origin6.0

## EDUCATION

<b>Maulana Azad National Institute of Technology</b> B.Tech. - Material Science And Metallurgical Engineering   CGPA: 8.91 / 10.00	2017 - 2021
<b>SUNBEAM ENGLISH SCHOOL BHAGWANPUR VARANASI, Varanasi</b> 12 <sup>th</sup>   CBSE   Percentage: 86.40 / 100.00	2017
<b>CENTRAL HINDU BOYS' SCHOOL KAMACHHA, BHU ,VARANASI, Varanasi</b> 10 <sup>th</sup>   CBSE   CGPA: 9.80 / 10.00	2015

## INTERSHIPS

<b>Reliance Industries Limited</b> Key Skills: Reliability   Problem Analysis   Teamwork   Inspection A virtual Internship project titled "Customization of Furnace Analytics Portal for Reliability Monitor" in which I worked to Identify Key Parameters of the Analytical Portal to Increase the Efficiency of the Reliability Monitoring and suggested two new inspection methods based on the analysis.	July 1, 2020 - July 31, 2020
<b>AMAZING INNOVATORS ED-TECH PRIVATE LIMITED</b> Key Skills: Problem Solving   Communication   Teamwork This internship covered the responsibility of developing course content, mentoring and doubt solving for the CHEMISTRY section on MY TUTOR247 online platform.	Aug. 1, 2018 - Aug. 31, 2018

## PROJECTS

<b>SYNTHESIS AND PROPERTY EVALUATION OF Al-Si-SiC COMPOSITES</b> Mentor: Dr. S Das, Former Director, CSIR-AMPRI   Team Size: 5 Key Skills: Casting   Characterization   Mechanical Testing   Material Selection   Microstructure Through this project, we casted lightweight Al-Si-SiC composite with different composition of SiC and evaluate its mechanical properties specially Fatigue Behaviour. We will also analyse the relationship between the microstructure of fatigue-failed sample, its composition and testing parameters.	Jan. 17, 2019 - April 16, 2021
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## ACHIEVEMENTS

- Best NCC Cadet award in CATC-312 by 7 UP SQN NCC BHU Varanasi.
- Winner in Bharat Manthan organized by Toornad MANIT 2018
- Winner in Metallurgy Quiz under Diamond Jubilee Celebration, MANIT Bhopal.
- AIR 109 in GATE 2021 (MT)

## AWARDS AND SCHOLARSHIPS

- Kashi Naresh Dr. Vibhooti Narayan Singh Fellowship
- BRILLIANT-35 scholarship by SUNBEAM Group

## ASSESSMENTS / CERTIFICATIONS

<b>Tata Steel E learning</b> Key Skills: Industrial metallurgy   Basics E Learning course on Basic Metallurgy by Tata Steel.
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## SEMINARS / TRAININGS / WORKSHOPS

**Global Steel Industry Sustainability (GSIS2020)** Institute Name: National Institute of Technology Durgapur Aug. 2, 2020 - Aug. 2, 2020

**Key Skills:** Green Steel Sustainability Environmental Challenges

One day International Webinar mainly focused on Environmental issues related to steel industries and possibilities of using Bio Mass and Hydrogen in refining of iron ore.

**Scientific and Technological Writing Skills** Dec. 16, 2019 - Dec. 20, 2019

**Institute Name:** Maulana Azad National Institute of Technology

Related to the writing of research proposals, theses, reports, research papers, drafting and filing of patents.

**National Workshop on Engineering Failure Analysis** Dec. 1, 2019 - Dec. 1, 2019

**Institute Name:** Society for Failure Analysis, Hyderabad

A one-day inaugural workshop for the Society for Failure Analysis, Bhopal in which basis theory and some case studies of IGCAR was discussed.

**Vocational Training** May 6, 2019 - May 18, 2019

**Institute Name:** Bhilai Steel Plant (SAIL)

Exposure to the integrated steel plant to make familiar with the processes involved in the extraction of iron from its ores followed by its conversion to various grades of steel and the production of commercial goods.

**Virtual Laboratories** April 6, 2019 - April 6, 2019

**Institute Name:** Indian Institute of Technology Kanpur

One day informative session about virtual laboratories and its uses.

**Industrial Metallurgy and Quality Control** Feb. 11, 2019 - Feb. 19, 2019

**Institute Name:** Indian Institute of Technology Indore

Short term course discussing various manufacturing process and quality control techniques in the industries.

**Mechanical Behaviour of Materials** Oct. 30, 2018 - Nov. 3, 2018

**Institute Name:** Indian Institute of Technology Kanpur

Short term course covering the theoretical and practical aspects in Mechanical Behaviour of Materials.

## CO-CURRICULAR ACTIVITIES

- Worked as Hindi Editor in Editorial Board, MANIT Bhopal.
- Content Writer and Event Manager at PURGE MANIT Bhopal.

## EXTRA CURRICULAR ACTIVITIES

- Volunteered National Workshop AMCT-2019 organised by MME, MANIT Bhopal.
- Worked as Mess Convenor in Student Cooperative Mess, H6 during July'19 to Jan'20.

## PERSONAL INTERESTS / HOBBIES

- Writing Hindi Poems, Playing Cricket

## IMs

- WhatsApp - 7389471028
- Skype - live:.cid.ec3629aaf8dab763
- Other - <https://www.linkedin.com/in/ashutosh-kumar-bb4b32143>

## PERSONAL DETAILS

**Gender:** Male

**Marital Status:** Unmarried

**Current Address:** Room No - 42, Hostel - U Block, Indian Institute of Science Bangalore, Karnataka, India-560012

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**Date of Birth:** Nov. 15, 1999

**Known Languages:** Hindi and English

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## REFERENCES

- Dr. Praveen Kumar  
(Associate Professor, IISc Bangalore)  
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- Dr. C SasiKumar  
(Assistant Professor, MANIT Bhopal)  
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