Kota Sai Charan

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Education

Visvesvaraya National Institute of Technology, Nagpur,
B.Tech – Metallurgical and Materials Engineering *June 2021 - Dec 2025*

- Relevant coursework: Superalloys, Nano materials, Fracture mechanics, Deformation behavior, Introduction to materials science and engineering, Engineering physical metallurgy, Numerical methods and computation, Principles of extraction metallurgy, Transport phenomena, Metallurgical thermodynamics and kinetics, Non destructive testing, Environmental degradation, Steel making technology
- Final year Project: *Corrosion Fatigue Studies of Aluminium Alloys*
- Final CGPA: 5.98

Narayana junior college, Class XII *March 2021*

- Telangana State Board of Intermediate Education, Nampally, Hyderabad
- Total Marks : 964/1000

St. Gabriel's High School, Class X *March 2019*

- Board of Secondary Education, Telangana State, India
- Cumulative Grade Point Average (CGPA) : 9.3

Projects/Internships

Internship and training program at JNARDDC – Nagpur *May 2024 – June 2024*

- Internship and training program at the Jawaharlal Nehru Aluminium Research Development and Design Centre (JNARDDC) focuses on the industrial-scale extraction and fabrication of aluminum products. I had a hands-on experience in various stages of the aluminum production process, from raw material extraction to the final product

Hydrogen embrittlement of Additively Manufactured 316 Stainless Steel
– Nagpur *January 2023 – May 2024*

- I worked under the supervision of my professor, Dr. Abhinav Arya, at VNIT. I polished and exposed tensile samples cut out of an additively manufactured 316 stainless steel block. The process parameters and exposure methods were selected based on a review of various relevant research papers. We also observed the deformed surfaces of the samples under optical and electron microscopes after the tests.

Technical skills/Area of Interest

- Completed a course on C, C++ and Data Structures, and can write Python code.
- Interested in Mechanical Behavior of materials, Nano-materials and Superalloys.

Positions of Responsibility

- Coordinated in a VNIT, AXIS event as an event organizer – 2023