

BURUGUPALLI MOHAN GANESH

Tiruvuru (Andhra Pradesh), INDIA

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PROFILE:

Metallurgical and Materials Engineering professional currently pursuing an M.Tech in Metallurgical and Materials Engineering at IIT Kharagpur, with 5+ years of experience in Steel plant (Casting operations, including caster commissioning, process optimization, and quality improvement. B.Tech graduate (83%) and GATE-qualified, My interests lie at the intersection of advanced materials, aerospace, energy, and sustainable metallurgy, with a focus on lightweight, high-strength, high-temperature, and energy-efficient materials for next-generation engineering applications. Aspiring to bridge industrial metallurgy with materials research to develop innovative solutions for future energy and aerospace technologies.

EDUCATIONAL QUALIFICATION:

INDIAN INSTITUTE OF KHARAGPUR,
Masters in Metallurgical &Materials Engineering

2026-2028

OP JINDAL UNIVERSITY Raigarh, C.G
Bachelor of Technology in Metallurgical &Materials Engineering
CGPA: 8.398)

2023-2026

GOVERNMENT POLYTECHNIC VIJAYAWADA
Diploma in Metallurgical Engineering
Percentage: 72.39.

Vijayawada A.P
2014-2019

SKILLS:

- **Language:** Python (Basic)
- **Software and Tools:** MS-Word, PPT, EXCEL
- **Specialized Metallurgical Software:** EDAS, SKADA, DSC,
- **Working Skills:** Electro Magnetic Breaker and stirrer, Dynamic soft Reduction

CERTIFICATES:

- Steel Quality: Role of Secondary Refining and Continuous Casting - NPTEL
- TATA steel – intermediate level of Steel Technology

COURSERA

- Phase Materials Science for Advanced Technological Applications - Arizona State University
- Shape and Property of control Materials - Arizona State University
- Material Data sciences and Informatics- Georgia Institute of Technology.

EXPERIENCE:

1. Jindal Steel and Power – Angul, ODISHA, (2022-2024)

Project/ Commissioning: Actively participated in the commissioning, start-up, stabilization, and operation of Twin Strand Slab Caster of OEM (DANIELI) equipped with Auto thickness change, Quality control with high-Speed technology, contributing to the production of high-quality steel slabs through advanced process control and operational excellence.

- Combined academic excellence with hands-on steelmaking experience, P3 progressing to Machine in charge of Twin Strand Slab Caster responsibilities.

2. ARCELOR MITTAL NIPPON STEEL INDIA Private Limited – Surat, Gujarat, (2017-2022)

Project/ Commissioning: Served as a Main Control Room Operator on CSP Caster-3 at AM/NS India,

- Responsible for ensuring safe, stable, and efficient thin slab casting operations through advanced process monitoring and control.
- As a P3/OS3 Operator, I manage critical casting parameters including mold level, casting speed, superheat, secondary cooling, and strand quality to achieve production and quality targets.
- Significant role in the stabilization and continuous performance improvement of CSP Caster- which commenced operation in 2017.
- My responsibilities include process optimization, defect prevention, operational troubleshooting, interdepartmental coordination, and ensuring compliance.
- Maintaining safety standards, SOPs, and HIRAC requirements while maintaining world-class thin slab casting performance.

Languages: English, Hindi

Date of Birth: 07-08-199

Hobbies & Interest: Tennis, Cooking.