

# Manas sarangi

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## Profile

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Analytical R&D Associate with six months of experience in biologics product development with application development for UPSTREAM & DOWNSTREAM process. Skilled in optimizing processes, driving data-driven strategies, and conducting purity analysis. Proficient in cross-functional team collaboration. Demonstrated ability to deliver actionable insights and support continuous improvement initiatives in the biologics sector.

## Work Experience

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### Research Associate Intern

Jan 2024 - June 2024

Virchow Biotech Pvt Ltd.

- Analysis of Biologics products to support Production and downstream department for further changes for enhancement of purity
- Key Projects :- INSULIN , Insulin LISPRO , Insulin GLARGINE ,GCSF, PEG-GCSF, PTH (parathyroid hormone), PEGLOTICASE, SEMAGLUTIDE, URATEOXIDASE
- Stages :-( Expression ,IB wash , cell Lysis , Elusions) of different Biological products.

### Procurement Executive & Documentation

December 2021- July 2022

GREEN JEEVA LLC.

- Provided assistance to the procurement officer in all aspects.
- Gathered information and create monthly reports from all departments.
- Developed and maintained relationships with key suppliers for smooth communication and to meet required
- Analysis of documentation provided by supplier ( organic certification,GMP,COA)
- Negotiations with suppliers from all over the world
- Implemented cost-saving initiatives through strategic sourcing, vendor consolidation, and contract negotiations, resulting in a notable reduction in procurement expenses by 40 percentage

## Instrument Handled

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- FPLC ( GE Akta Pure 25 & Biorad NGC) Unicorn 7 software
- HPLC (Agilent Technology& Thermofisher ) Open Labs 2.4 & 2.6 software
- BIOREACTOR 6L ,15L ,30L Eppendorf &YMC)
- UV-VIS Spectrophotometer (Thermo Fisher Scientific)

# Education

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## Master's degree

September 2022- June 2024

Kalinga institute of industrial technology (KiiT)

- Having key knowledge of all biotechnology Subjects with industry expertise in Bioprocess engineering and analytical chemistry

## Bachelor degree

September 2019 - June 2022

Trident academy of creative technology

- biological chemistry, microbiology, molecular biology, genetics, analytical techniques, bioinformatics, computer programming, and other areas.

## High school

2006-2018

Kendriya vidyalaya

- Physics , chemistry ,math ,biology, english , physical education

# Certification

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- The Smart Art of HPLC & LC-MS in Biosimilar Development
- Upstream Bioprocess for High Cell Density culture technique.
- Downstream Bioprocess on Recombinant protein production & characterisation
- Instrumentation- AAS
- Sea food processing and packaging
- Nucleic acid isolation using magnetic beads
- Milk processing , milk testing , milk storage , milk packaging

# Highlight Skills

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- Protein Purification
- Characterisation
- Analytical analysis
- Method development
- Microorganisms isolation