

JYOTI RANI

SUMMARY Motivated professional offering a Master's degree in Chemical Engineering. Adds value to any organization in need of great collaboration, interpersonal, and multitasking abilities. Meets tight deadlines and offers excellent technical abilities with software and applications, ability to handle challenging work, and excellent time management skills.

SKILLS **Technical Skills:** DWSIM, AutoCAD, STAADPRO, PYTHON, MS Office, MS Excel, MS Word, MS PowerPoint
Soft Skills: Communication, Analytical, Decision Making, Trouble Shooting, Entrepreneurial Mindset, Self-Motivated, Research & Development, Basic Math, Critical Thinking, Decision-Making, Microsoft Office, Supervision and, Leadership, Time Management, Training & Development, Team Building, Organizational Skills, Quality Assurance

PROJECTS **PROCESS INTENSIFICATION OF HYDRODEALKYLATION OF TOLUENE USING PINCH ANALYSIS, NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR**
[May 2022 – May 2023]
Developed simulation models to investigate the dynamism of the intensified reaction system and employed pinch analysis technology to optimize the production of Benzene, with substantial energy and capital cost savings.
ADVANCED PAVEMENT DESIGN (USE OF WASTE PLASTIC (HDPE) & TIRES CRUMB IN BITUMEN, ABES INSTITUTE OF TECHNOLOGY
[July 2017 – April 2018]
Implemented waste plastic (HDPE) & tires crumb in bitumen to be used in pavement constructions, resulting in decreased overall pavement cost and reduction in asphalt consumption.

EDUCATION **[NATIONAL INSTITUTE OF TECHNOLOGY HAMIRPUR – HP]**
Master of Technology in Chemical Engineering)
August 2021 – May 2023
GPA: 7.18/10.0

[ABES Institute of Technology, AKTU – UP]

Bachelor of Technology in Civil Engineering)

August 2014 – July 2018

Percentage – 75.3%

CERTIFICATIONS	<ul style="list-style-type: none">• Certification of Presentation of a paper in 4th National Conference on Advances in Chemical Engineering and Science ACES2023, IISER Bhopal and IChE – IISER Bhopal, 05/2022• Certification of Award as Best Poster Presentation in 4th National Conference on Advances in Chemical Engineering and Science ACES2023, IISER – Bhopal and IChE – IISER Bhopal, 05/2023
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TRAINING	<ul style="list-style-type: none">• CAD (computer-aided design) Course FP001-Elementary Engineering Drawing and AutoCAD 2D, Advanced 2D & 3D concepts (ABES Institute of Technology • 2016)• STAAD.PRO (ABES Institute of Technology • 2016)• MX Road V8i Level-I (ABES Institute of Technology • 2016)
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LANGUAGE	<ul style="list-style-type: none">• English, Fluent• Hindi, Native
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HOBBIES & INTERESTS	<ul style="list-style-type: none">• Astrophotography• Sudoku• Playing Cards• Watching Movies & Series
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PASSION	<ul style="list-style-type: none">• Sustainability & Development• Energy Integration• Recycling
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