

# Rahul Kumar Pal

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## Education

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- **IIIT JABALPUR** 2024-2026  
M.Tech in Data Science  
8.8/10
- **INSTITUTE OF ENGINEERING AND TECHNOLOGY LUCKNOW** 2016-2020  
B.Tech in Chemical Engineering  
7.41/10

## Projects

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- **Community Detection in Social Networks using Different Algorithm & Compare**
  - Implemented and analyzed various community detection algorithms such as Louvain, Girvan-Newman, and Label Propagation to identify meaningful clusters in social networks.
  - Developed a comparative study evaluating algorithm performance based on modularity, execution time, and accuracy in detecting real-world communities. Deployed the final model using a simple web interface for easy access and testing.
- **Exploring the Impact of CHATGPT on Education: A Web Mining and Machine Learning Approach**
  - Conducted a comprehensive study on ChatGPT's potential to enhance educational experiences and address emerging challenges in digital learning environments.
  - Utilized web mining techniques, natural language processing (NLP), and machine learning to analyze online educational trends and gauge ChatGPT's influence.
  - Generated actionable insights to guide educators and policymakers on integrating responsible AI practices in academic settings

## TECHNICAL SKILLS

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- Programming Languages: C, C++
- Machine Learning & AI: Basics of ML , Deep learning and AI concepts
- Mathematics & Statistics: Linear Algebra, Probability, Statistics
- Computer Science Fundamentals: Operating Systems, Computer Networks Tools & Technologies.
- Problem-Solving & Analytical Skills: Strong logical reasoning and algorithmic thinking

## Experience

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- **Aarti Industries limited Jhagadia Bharuch Gujarat** Nov -2020 - Sept -2021  
Graduate Engineering trainee
- **Vardhman Acrylic Limited jhagadia Bharuch** April-2022 - September 2022  
Production officer
- **KLJ Petroplast limited Jhagadian Bharuch Gujarat** Oct-2022 - August -2023  
Assistant Process Engineer