



# Lalit Gour

ID-12140970

Bachelor of Technology

in Computer Science and Engineering

Indian Institute of Technology ,Bhilai

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Portfolio Website

GitHub

LinkedIn

## INTRODUCTION

I am Lalit Gour, a devoted learner enrolled in the Computer Science and Engineering program at the renowned Indian Institute of Technology (IIT), Bhilai. Fueled by a deep interest in technology and a strong dedication to achieving academic excellence, I am eager to apply my expertise and learning to make meaningful contributions to the realm of computer science.

## EDUCATION

| Degree/Certificates | Institute                                     | Board / University | CGPA/Percentage | Year      |
|---------------------|---|--------------------|-----------------|-----------|
| B.Tech CSE          | Indian Institute of Technology (IIT) ,Bhilai. | IIT Bhilai         | 7.03( Current ) | 2021-2025 |
| Senior Secondary    | Maruti Nandan Academy H.S School,Sehore       | MP Board           | 96%             | 2021      |
| Matriculation       | Maruti Nandan Academy H.S School,Sehore       | MP Board           | 94.8%           | 2019      |

## EXPERIENCE

- **Software Development Engineer,Saeternus Innovations Pvt. Ltd** Oct 2022 - Dec 2022  
*Team Project*
  - Contributed for making Election Management System (EMS) 2.0 for the Election Commision Of India (ECI)
  - Worked as a Full stack Developer as React.js with FASTAPI as background,Worked DataBase manipulations, Created Updated API Documentations

## PROJECTS

- **Aoushadhi- An Ecommerce Application** Jan 2024 - Feb 2024  
*Team Project (React+Vite, Node+Express, AWS+Terraform, Docker, CICD)* [Link Github](#)
  - Led the development of a feature-rich online pharmacy platform, offering a seamless experience for users to browse, search, and purchase medicines similar to established platforms like Netmeds.
  - Designed and implemented a user-friendly interface using React.js, facilitating easy navigation and enhancing overall user satisfaction.
  - Integrated secure payment gateways, ensuring smooth and secure transactions for users during the purchase process.
  - Leveraged Node.js and Express.js to create a robust backend, managing user authentication, authorization, and efficient handling of database operations.
  - Employed load balancers to optimize performance, enhance scalability, and guarantee high availability, contributing to a reliable and responsive application.
- **TA Management System** Feb 2024 - Apr 2024  
*Team Project (React, Node+Express, NLP)* [Link Github](#)
  - Led the development of the TA Management System, focusing on frontend, backend, and ML model integration.
  - Designed the TA Management System to facilitate professors and faculties in selecting the most suitable TAs for their courses.
  - Established user authentication functionalities and categorized user information for efficient storage.
  - Designed and implemented a user-friendly interface using React.js, facilitating easy navigation and enhancing overall user satisfaction.
  - Developed an ML model to evaluate TA information, assigning weights for accurate assessment.
  - Utilized tools such as Metaflow, Sentence-transformer, and NLP for text embeddings.
- **Emotion Prediction by Text** Sep 2023 - Nov 2023  
*Team Project(NLP, Transfer Learning)* [Link Github](#)
  - Employed NLP techniques to predict emotions from textual data.
  - Developed a project focused on inferring emotional states from text inputs.
  - Utilized advanced machine learning algorithms for accurate emotion prediction.
- **Web App for Openlake(An open source club IIT Bhilai)** May 2023 - July 2023  
*Group Project (React, FastAPI)* [Link Github](#)
  - Developed a web application for Openlake, an open-source club at IIT Bhilai.
  - Utilized HTML, CSS, JavaScript and FAST API for the backend to create the application.
  - Designed to enhance user experience and engagement within the Openlake community through intuitive and responsive web functionalities.
- **Image classification and segmentation ( Eye Disease Prediction )** Aug 2023 - Nov 2023  
*Individual Project (CNN, Transfer Learning)* [Github](#)
  - Utilized ResNet, EfficientNet, Inception, and MobileNet neural network models to predict eye diseases.
  - Employed transfer learning techniques for improved accuracy.
  - Conducted thorough evaluation to identify optimal predictive models.
- **Portfolio Website** June 2024 - July 2024  
*Individual Project (React+MUI)* [Link Github](#)
  - Utilized React and MUI components to make this portfolio website.

CODING

- **GeeksForGeeks (3 star)** *GFG*
  - Solved More than 500 Programming Questions

TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++(Beginner), Javascript,HCl
- **Skills:** HTML, CSS, JavaScript,React+Vite, Node.js, Express.js, FASTAPI, Data Structures and Algorithms, Machine Learning-Computer Vision, NLP, Git, Docker, Kubernetes, DBMS, TCP/IP or Network Protocols, Cloud Services(AWS).
- **Libraries:** Numpy,Pandas,Matplotlib,Plotly,TensorFlow,Keras,Sklearn

KEY COURSES TAKEN

- **Mathematics:** Linear Algebra,Probability Statistics ,Calculus,Operation Research.
- **Liberal Arts:** Organizational Behavior,Microeconomics,Positive Psychology,Chinese Culture and Beginner.
- **Core:** Python Programming,Data Structure and Algorithms,Computer Organisation and Architecture ,Operating System,Software Tools and Technologies,Theory of Computation,Database Management System, Computer Network, Compiler Design, Machine Learning, Computer System Design, BlockChain, Parallelization of Programs.

HONORS AND POSITIONS OF RESPONSIBILITY

- **General Secretary of Sports and Games( CoSA )**,IIT Bhilai *Apr 2023, Mar 2024*
- **Informals Convener**,MERAZ(Annual Techno-Cultural Fest), IIT Bhilai *Nov 2023 - Mar 2024*
- **Leader**,Contingent Leader Inter IIT Sports Meet,2023
- **Volunteer**,Student Mentorship Program 2022 (SMP),IIT Bhilai
- **Member**,Inter IIT Sports Meet 2023
- **Member**,Inter IIT Sports Meet 2022
- **Fellowship**, "Innovation in Science Pursuit for Inspired Research" offered by (DST), Government of India"
- **Scholarship**,Keep India Foundational Scholarship by Colgate PVT LTD. *July 2021 - Current*