



Lalit Gour

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Bachelor of Technology

in Computer Science and Engineering

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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	7.13(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 Commission Of India (ECI)
 - Worked as a Full stack Developer as React.js with FASTAPI as background,Worked DataBase manipulations, Created Updated API Documentations

PROJECTS

- **Web App for Flipr** Aug 2022 - Oct 2022
Group Project (National Hackathon) **GitHub**
 - Developed a web application for Flipr in October 2022, aimed at presenting stock market data through interactive charts.
 - Employed a combination of HTML, CSS, JavaScript, React, and FAST API for the backend infrastructure.
- **Password Generator Extension** Jan 2023 - Feb 2023
Software Tools and Technologies **GitHub**
 - Created PassGen, a Chrome extension for generating strong, customizable passwords to bolster online security.
 - Developed a JavaScript function to generate passwords with a custom character set for enhanced security.
 - Integrated Chrome Extension API for seamless functionality and user convenience.
- **Web App for Openlake(An open source club IIT Bhilai)** May 2023 - July 2023
Group Project (Hackathon) **GitHub**
 - Developed a web application for Openlake, an open-source club at IIT Bhilai
 - Utilized HTML, CSS, JavaScript, React, 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.
- **Regression Model for Structural Strength Prediction** Aug 2023 - Oct 2023
Individual Project **GitHub**
 - Developed a machine learning model for predicting structural strength.
 - Utilized features like cement, slag, fly ash, and age.
 - Applied EDA techniques and OLS libraries for model enhancement.
- **Image classification and segmentation (Eye Disease Prediction)** Aug 2023 - Nov 2023
Individual Project **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.
- **Emotion Prediction by Text** Sep 2023 - Nov 2023
Group Project **GitHub**
 - Employed CNN and 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.
- **Campus Delivery System (Pharmacy)** Jan 2024 - Feb 2024
Team Project **Link**
 - 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.

- Collaborated with vendors to enable seamless uploading of medicine details, including images, descriptions, and pricing, creating a dynamic and diverse product catalog.
- 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 **Link**
 - 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

TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++(Beginner), Javascript
- **Skills:** Data Structures and Algorithms, JavaScript,Node.js Express.js, FASTAPI, HTML, CSS, Machine Learning-Computer Vision, NLP,Computer Architecture and Operating System, Software Tools and Technologies, DataBase Management System.TCP/IP or Network Protocols, System Design.
- **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 Nov 2023 - Dec 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