

SHIVAM

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[shivam-lth27](https://www.linkedin.com/in/shivam-lth27)

[shivamlth27](https://github.com/shivamlth27)

Education

B.Tech in Data Science and Artificial Intelligence

Oct 2022 - May 2026

Indian Institute Of Technology Bhilai

CGPA: 8.68

S.K.P. Vidya Vihar, Bhagalpur

2021

Class XII - Central Board of Secondary Education

Percentage: 98%

D.A.V. Public School, Bhagalpur

2019

Class X - Central Board of Secondary Education

Percentage: 97.2%

Experience

SRIP Intern, IIIT Bangalore

Jun 2024 - Aug 2024

Virtual AutoGrow Simulator

[Certificate](#)

- Developed a virtual simulation environment for **AutoGrow's** biological subsystem.
- Soil humidity and nutrient concentration of the soil is simulated by Crop Simulator.
- Implemented **Deep Reinforcement Learning** for crop management.
- Used **Monte carlo simulation** for farm planning.

Data Analyst Intern, NoQs Digital

Jul 2024 - Aug 2024

Data Analysis and User Interface Dashboard

- Handled the designing work, and implement various services to improve the User Interface Dashboard.
- Prepared reports for the management stating trends, patterns, and predictions using **Blinkit** dataset.
- Developed Blinkit sales Dashboard for Total Sales, Avg Sales, and Sales by Category.

Project

Analysis of News Repetition in Daily News Bulletin

[Github](#)

- Utilized **Python programming** along with web scraping libraries like **youtube-transcribing-api** to collect and preprocess news bulletin data.
- Employed **natural language processing (NLP)** libraries such as **nlTK** and **re** for text processing and repetition analysis.
- Leveraged **Hugging Face Transformers models**, including **all-MiniLM-L6-v2** and **Sentence-Transformers**, to compute semantic similarity and detect repetitive content.
- Applied data visualization libraries like **Matplotlib** and **Seaborn** to create insightful visual representations of patterns and trends in news repetition data.

Sustainable Crop management with Deep Reinforcement Learning

[Github](#)

- Fertilizer recommendation: To provide recommendations on **suitable fertilizers** based on soil conditions and crop types.
- Crop recommendation: To recommend appropriate crops based on factors such as soil type, climate, and historical crop performance.
- Optimize management policies using **deep reinforcement learning (RL)** Q-learning.

Technical Skills

Programming: Python, C/C++, JavaScript.

Machine Learning Frameworks: PyTorch, TensorFlow, Scikit Learn, OpenCV, NLTK, NumPy, Pandas.

Softwares & Tools : Git, Docker, AWS (Cloud Computing), Linux.

Relevant Coursework

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|---------------------------------|------------------------------------|-------------------------------|----------------------|
| • Data Structure and Algorithms | • Data Analytics and Visualization | • Natural Language Processing | • Operation Research |
| • Machine Learning | • Statistical Programming | • Big Data Analytics | • Linear Algebra |

Extracurricular

- Dark Patterns Buster Hackathon (DPBH) 2023** Department of Consumer Affairs
- Student Placement Team Member**, CCPS, IIT Bhilai
- Mentor**, SMP, IIT Bhilai

[Certificate](#)

May 2023 - Apr 2024

Mar 2023 - Mar 2024