

EDUCATION

- **Indian Institute of Information Technology, Lucknow** Lucknow, Uttar Pradesh
Bachelor of Technology in Computer Science and Artificial Intelligence; CGPA: 7.20 Dec. 2020 – Jun. 2024

PROJECTS

- **Advanced Object Detection System** Oct. 2023
High-performance real-time object detection for security surveillance systems.
 - **TechStack:** Python, PyTorch, OpenCV, CUDA.
 - Developed a real-time object detection system using PyTorch and YOLO model, optimized for HD video streams and integrated with IP cameras for security surveillance.
 - Enhanced processing speed and accuracy through a deep learning pipeline with CUDA for GPU acceleration, achieving over 95% accuracy on test data.
 - Created a user-friendly Flask dashboard for real-time monitoring, alerts, and data analysis, including object tracking and historical insights.
 - Collaborated with data scientists to iteratively improve the model using fresh datasets and feedback loops, ensuring continual model enhancements.
- **Sentiment Analysis Web App** Jan. 2023
A web-based tool for real-time sentiment analysis of user input text.
 - **TechStack:** Python, Flask, HTML, CSS, JavaScript, TensorFlow, NLTK.
 - Developed a web application that uses machine learning to analyze and classify sentiments of user-entered text into positive, negative, or neutral categories.
 - Utilized TensorFlow and NLTK for building and deploying a model trained on a dataset of movie reviews to predict sentiments.
 - Designed an intuitive user interface using Flask and Bootstrap, enhancing the accessibility and ease of use for non-technical users.
 - Integrated dynamic charts to display sentiment analysis results, improving user interaction and experience.
 - Structured the backend to handle requests efficiently, allowing for scalable real-time processing of user data.

SKILLS

- **Languages:** C/C++, JavaScript, Golang, Azure, Python, SQL, HTML, CSS
- **Technologies:** React, Node, Express , Moongose , MongoDB
- **Courses:** OOPS, Operating System , DBMS
- **Developer Tools::** Git/Github, Visual Studio Code, Docker, Kubernetes, Canva
- **Soft Skills:** Leadership, Team-work, Public Speaking, Time Management.

ACHIEVEMENTS

- **Codechef:** Rated **6 Star** with Highest Rating of **2070**
- **Codeforces:** Rated as **Specialist** (max rating: **1429**).
- **Problem Solving:** Solved over 300 problems on various platforms like codechef, codeforces and leetcode.

POSITION OF RESPONSIBILITY

- **HACKOFIESTA** IIIT LUCKNOW
Lead Organiser of HackOFiesta v4 and Technical Lead of HOFv3.0 *April 2022*
 - **Lead Organizer** : Organized HackOFiesta V4 of IIIT Lucknow in which 307 students from various prestigious institute participated the hackathon.
 - **Technical Lead** : As a Technical lead, I helped participates in doubt solving.
- **Entrepreneurship Cell** IIIT Lucknow
Coordinator *June 2022 - August 2023*
 - **E-Cell**: Managed E-Cell throughout the year and arranged a number of talk sessions, reached out to a number of sponsors for the primary purpose of spreading the message to think outside the box.
 - **Teams Under Management**: Content, Developers, Relations, Design, Events.
 - **ENspire**: Directed a team of over 50 students in organizing the Annual E-Summit at IIITL, 2022, achieving widespread recognition among thousands of students across India.