Lakshay Arora

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EDUCATION

MAHARAJA AGRASEN INSTITUTE OF TECHNOLOGY NEW DELHI,IN
Bachelor of Technology (Computer Science) *Expected: May 2025*
- CGPA: 9.45/10

VISHAL BHARTI PUBLIC SCHOOL NEW DELHI,IN
Higher Secondary School *May 2021*
- Grade 12 (CBSE): 96.4%

PROFESSIONAL EXPERIENCE

Leo Club Eternity Service (Lions Clubs International) NEW DELHI,IN
Full Stack Developer *April 2023 – July 2023*
- Developed a full-stack web application using React, Sanity and Tailwind CSS for the NGO.
- Coded the front-end while maintaining responsiveness, optimizing user experience, and creating a clean interface. Additionally, served as the backend developer, implementing robust and scalable solutions, handling data management, and ensuring smooth functionality of the entire system.
- Collaborated with Design, Tech, Content Team and Senior members, using Slack, Git and Figma. Ensured proper SEO, easy on the eye brand-consistent design, clean Wireframes and swift deployment via Hostinger etc.

MAIT, Prof. Anupam Kumar NEW DELHI,IN
Research Assistant *Jan 2024 – Present*
- Currently engaged as a research assistant, employing deep learning and nature-inspired algorithms for image classification, with a focus on a forthcoming paper detailing innovative methods and their applications in medical imaging analysis.

PROJECTS

Sign Language Detection | [REPO](#)
- This project is aimed at detecting American Sign Language (ASL) alphabets in real-time using computer vision.
- The system utilizes OpenCV for image processing, MediaPipe for hand detection, and a Random Forest classifier from scikit-learn for alphabet recognition.
- It involves real-time ASL alphabet detection using a live camera.

SimplyBlog | [REPO](#)
- Created a MEAN stack website with full CRUD functionality for blogging which is fully responsive.
- Implemented a rich-text editor using React-Quill to enable easy content creation.
- Incorporated robust authentication to ensure secure user access.
- Designed an intuitive user interface for seamless navigation and efficient blog management.

TECHNICAL SKILLS

Languages: Python, C/C++, SQL, NoSQL (MongoDB), JavaScript, HTML, CSS (Tailwind CSS, Bootstrap, Sass CSS)
Frameworks: Scikit-learn, PyTorch, React, Node.js, Next.js
Developer Tools: Git, VS Code, Jupyter notebook, Google colab, Hugging Face
Libraries: pandas, NumPy, Matplotlib, Seaborn