Diksha Yadav-AI enthusiast and full stack developer

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Projects

Shivshanti Prathishthan — Client (Ngo Website)   **Live**: seact.in

- Built a fully responsive Ngo website for a client using Node.js, Express.js, and MongoDB.
- Designed an interactive and user-friendly interface with Tailwind CSS and Bootstrap.
- Enforced secure contact and enquiry forms to help volunteers connect with the Ngo easily.
- Deployed website on live servers ensuring SEO optimization and smooth UX for parents

Indian Sign Language Recognition System (Research Project)   GitHub-Link: ISL Recognition

- Developed an advanced Indian Sign Language (ISL) recognition system that converts sign gestures from video input and Real time into text using deep learning and video understanding techniques.
- Implemented a novel hybrid architecture combining VideoMAEv2-Huge (Video Vision Transformer) for feature extraction and LSTM networks for temporal sequence modeling — a unique approach not explored in prior ISL works.
- Trained on a curated ISL greetings dataset (600 videos across 10–12 classes, 40–60 samples per class)
- Achieved 84.87% test accuracy and 84.37% F1-score
- Deployed a real-time ISL detection module capable of live webcam inference at 5–10 FPS, offering immediate, gesture-to-text translation with confidence-based prediction filtering.

Skills

- **Programming Languages:** Python, JavaScript.
- **Frontend Development:** HTML5, CSS3, JavaScript (ES6),Modern UI/UX practices
- **Backend Development**: Node.js, Express.js, RESTful API Development, Server-side JavaScript
- **Databases**: MySQL**,** MongoDB
- **AI/ML Frameworks**: TensorFlow, Scikit Learn, LangChain, Hugging Face Transformers, OpenCV.
- **Generative AI**: LLM, Prompt Engineering.
- **Data Science & Analytics**: Pandas, NumPy, Seaborn, Data Mining, Machine Learning, Deep learning.

Education

Ramnarain Ruia Autonomous College, Matunga Mumbai   **Expected April 2026**

Candidate for M.Sc. Information Technology (Pursuing)

Ramanand Arya D.A.V College (Autonomous), Bhandup Mumbai   **March 2023**

Bachelor of Science in Information Technology   CGPA 8.65

Class 12th HSC Board Class

10th Maharashtra Board

Certificates

MongoDB Bootcamp   –Issued By: Let's Upgrade

Delta Full Stack Development   – Issued By : Apna College ,

Python   – Issued By: GUVI