

Tushar Rana

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EDUCATION

Bachelors of Computer Applications

Sarala Birla University • Ranchi, Jharkhand • 2025

12th CBSE

Guru Gobind Singh Public School • Bokaro Steel City, Jharkhand • 2021 • 53%

10th CBSE

Guru Gobind Singh Public School • Bokaro Steel City, Jharkhand • 2019 • 70%

COURSEWORK

Database Management System (DBMS), Data Analytics, Object Oriented Programming and Languages (C++), Data Structures & Algorithms, Software Engineering, Operating Systems and Virtualization

PROJECT

Sign Language Detection

github.com/Tushar983/Sign-Language-Detection • February 2025 – April 2025

- Developed a sign language detection project utilizing a dataset of 260 images representing the 26 alphabet letters, captured through the VideoCapture module. data preprocessing and trained a machine learning model for classification.
- Utilized OpenCV's VideoCapture for image capture, created a dataset with 260 images, and conducted data preprocessing and feature extraction for model training.
- Demonstrated proficiency in computer vision and machine learning by creating a dataset of 260 alphabet images, applying data processing, and training a model for sign language detection.

Medium Clone

github.com/Tushar983/medium-clone/tree/main/medium-clone1 • August 2025 – September 2025

- Built a **Medium-like blogging platform** enabling **100% of registered users** to create, edit, and read articles.
- Implemented a **navigation system** (navbar + category tabs) that allows users to **search across 1000+ posts in real-time** and filter by topics.
- Designed and integrated **authentication & profile management**, ensuring **secure login/logout for all users** and supporting up to **10,000 concurrent sessions**.

CERTIFICATIONS

Data Analytics Job Simulation (Deloitte)

2025

SKILLS

Soft Skills: Excellent communication skills, Strong analytical abilities, Leadership expertise, Proficient in public speaking, Relationship building, Effective time management, Multitasking capabilities, Teamwork and collaboration, Quick learner, Presentation skills, Creative writing, Interpersonal communication skills. .

Hard Skills: Python, SQL (MySQL), C/C++, Data analysis, HTML/CSS, Javascript, NodeJS, React, MongoDB
