RITIKA CHAWLA

ritikachawla8092@gmail.com| +91 8269869989 | LinkedIn | GitHub |

EDUCATION

Degree: - Bachelor of Technology **(2022 - 2026)**
Branch: - Computer Science and Engineering
College: - Rungta College of Engineering and Technology **(CGPA - 7.86)**

SKILLS

Language: - Python (**Intermediate**), C++ (**Basic**) and JAVA (**Intermediate**)
Frameworks: - TensorFlow, Keras, mediapipe, Streamlit and Flask
Core skills: - Machine Learning, Artificial Intelligence
Libraries: - NumPy, Pandas, Matplotlib, Seaborn, OpenCV,
Tools and Technology: - Git, GitHub, Gemini and ChatGPT
Passive Skills:- Data Analysis, Prompt Engineering

PROFESSIONAL EXPERIENCE   **Aug 2024- Feb 2025**

ACCENTURE Mentorship programme (GEMS)
Selected for a year-long mentorship   focusing
on Java development, coding skills, soft skills,
and industry-oriented training with internship
experience

PROJECTS

Student Performance Predictor | Python, Gemini , Streamlit , VSCode (Project Link)

- Created a responsive Generative AI based model specifically for the prediction of student performance for the student details provided.
- Used Gemini APIs to produce desired results and used Prompt engineering to make the model useful. Built the model as a responsive web app using Streamlit.
- The user only needs to provide the student data and relevant parameters. The system will automatically analyze and predict performance outcomes, generating actionable insights for improvement.

Sign-Language Detection in Health-Care | Python, Tensorflow , Keras, Django , VSCode

- Created a Deep Learning model specifically for real-time bidirectional sign language conversion. Used TensorFlow and Keras to build the model and trained a Convolutional Neural Network
- (CNN) to accurately classify hand gestures and convert them into text or speech.
- Built the system as a responsive Django web app.
- The user just has to perform sign language gestures in front of the camera to convert them into readable text or speech, or input text to convert it into animated sign language gestures.
- This will improve communication accessibility and inclusivity for individuals with hearing or speech impairments by enabling seamless two-way communication.

CERTIFICATIONS

- C++

HOBBIES

- Effective communication
- Debate & Public Speaking
- Literary Engagement