

AMRITA KUMARI

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EDUCATION

Lakshmi Narain College Of Technology, Bhopal
BTech CSE AIML - **CGPA - 8.09**

2022 – 2025
Bhopal, India

Government Women's Polytechnic College
Diploma CSE - **Percentage - 75.11%**

2018 – 2021
Muzaffarpur, India

Bal Vidya Niketan School
X - CBSE - **Percentage - 85%**

2017 – 2018
Jehanabad, India

COURSEWORK / SKILLS

- Object Oriented Programming
- Database Management System (DBMS)
- Data Structures
- Operating Systems

PROJECTS

Plagiarism Checker [↗](#) | Python

MAY 2024

- Leveraged SpaCy and Gensim to build plagiarism detection algorithm; improved text processing speed and reduced false positive matches by using semantic analysis techniques.
- Designed and Optimized a database for storing and indexing documents for quick retrieval.
- Used Machine Learning Framework such as TensorFlow , PyTorch for Implementing machine Learning models for similarity detection.
- Implemented Apache Tika for extracting text from various file formats (e.g. .docx, .pdf).

Face Recognition For Attendance [↗](#) | Python , OpenCV , TensorFlow

NOVEMBER 2024

- Implemented facial detection and recognition using deep learning models such as CNN or OpenCV's DNN module.
- Used Machine Learning models like Dlib or OpenCV for accurate face recognition.
- Enhance accuracy by handling variations in lighting and facial expressions.
- Designed a database (SQL) to store student/faculty details and attendance records.

HandWritten Character Recognition [↗](#) | Python , NumPy , Pandas

MAY 2023

- Implemented a Handwritten Character recognition using Python , Numpy and pandas
- Preprocessed image datasets by resizing, normalizing, and converting them into numerical arrays for model training.
- Leveraged Pandas for dataset management and analysis of labeled handwriting samples.
- Integrated OpenCV for image processing tasks like contour detection and utilized TensorFlow/PyTorch for model building and evaluation.

TECHNICAL SKILLS

Programming Languages: Java
Database Management: SQL
Tools: VS Code

SOFT SKILLS

- Teamwork
- Communication
- Time Management

CERTIFICATIONS

- Data Structure and Algorithms Using Java - PW Skills
- C Programming Language - SwarnimaShree Infotech
- Cloud Computing - NPTEL
- Salesforce Virtual Internship - Smart Internz