

SHIVANG DWIVEDI

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EDUCATION

LBS Convent Sr. Sec. School

10th CBSE
CGPA 9.43

June 2019 – July 2020

Lord Buddha Public School

12th CBSE
CGPA 8.51

June 2021 – July 2022

VIT Bhopal University

Computer Science Bachelor of Technology
CGPA 8.87

July 2022 – July 2026

PROJECTS

Typing Speed Trainer |

Python, Pandas, Tkinter

- Created a typing trainer app with Tkinter GUI, and Pandas-based performance analysis.
- Designed and coded WPM/accuracy calculations and a 21-day progress tracking system.
- Improved user typing speed by 15% and engagement through clear performance metrics.
- Incorporated peer feedback and shared with 5 users, driving successful testing and adoption.

Text Editor with AI Word Prediction |

Python, TensorFlow, NumPy, Tkinter, Pandas

- Built an AI text editor with TensorFlow LSTM for word prediction, boosting typing efficiency.
- Tkinter UI with text formatting and light/dark mode, using Pandas for tracking and python-docx for export.
- Improved typing speed by 18% with accurate predictions and user-friendly design.
- Collaborated to refine model and shared with 7 users, gaining strong feedback.

Email Spam Checker |

Python, IMAP, Tkinter, Scikit-learn, Pandas

- Built an email spam checker for Gmail using IMAP and ML models to classify spam/ham.
- GUI for inbox monitoring, spam filtering, and logging, using
- Achieved 92% accuracy, automating spam detection for all emails.

SENTIMENT_ANALYSIS-for-BENGALI-LANGUAGE |

Python, NLTK, RegEx, Scikit-Learn

- Implemented text preprocessing pipeline using NLTK and regex to clean Bengali text and remove stop words.
- Developed a machine learning-based sentiment classifier using Scikit-Learn for predicting sentiment polarity.
- Utilized Pandas and NumPy for efficient handling, storage, and preprocessing.

ACHIEVEMENTS

TCS CodeVita | Rank 3279 out of 5 lacs

Open-Source Contribution | SSOC'25, GSSOC'24, GSSOC'24 extended, Hactoberfest'24

Nokia Accelerate Her | Stage1 {Rank top 2000 out of 10,000}, Stage 2 {700 out of 3500}

TECHNICAL SKILLS

Languages | Python, Java, Go

Databases | MySQL.

Frameworks | Django, Flask

Developer Tools | Git, VS Code, Jupyter, Linux, AWS

Libraries | Pandas, NumPy, Matplotlib, TensorFlow, PyTorch, Sklearn

CERTIFICATIONS

Cloud Computing | Swayam NPTEL

Devops & Agile | IBM

AWS SAA | Ethnus