

SHIVANG DWIVEDI

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[Portfolio](#) | [Credly](#) | [LeetCode](#) | [GeeksForGeeks](#)

EDUCATION

VIT Bhopal University | Bhopal Madhya Pradesh

October 2022 - July 2022

B. Tech in Computer Science Engineering, CGPA **8.87/10**

Lord Buddha Public School | Kota Rajasthan

June 2021 - July 2022

Class 12th CBSE, CGPA **8.51/10**

LBS Convent Sr. Sec. School | Kota Rajasthan

June 2019 - July 2020

Class 10th CBSE, CGPA **9.43/10**

TECHNICAL SKILLS

Languages, Frameworks and Databases | Python, Go, MySQL, Django, Flask

Developer Tools | Git and GitHub, VS Code, Jupyter, Linux, AWS, Docker, Docker Swarm.

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

PROJECTS

Typing Speed Trainer | Technologies- Python, Pandas, Tkinter | Backend

- 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 | Technologies- Python, TensorFlow, NumPy, Tkinter, Pandas | ML

- 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.

Gmail Integrated Spam Checker | Technologies- Python, IMAP, Tkinter, Scikit-learn, Pandas | Backend

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

ACHIEVEMENTS

TCS CodeVita | Global Rank 3279/500,000

Global competitive programming contest | Complex algorithms and data structures | Optimized solutions under strict time constraints | Demonstrated proficiency in problem decomposition and debugging

Open-Source Contribution | SSOC'25, GSSOC'24, GSSOC'24 Extended, Hacktoberfest'24

Delivered production-grade code to open-source repositories | Enhanced skills in version control and collaborative workflows | Contributed to scalable software projects | Engaged with global developer ecosystems

Nokia Accelerate Her | Stage 1: Top 2000/10,000 | Stage 2: Top 700/3500

Solved advanced technical challenges in telecommunications domain | Applied expertise in coding and system design | Developed innovative solutions for industry use cases | Excelled in high-stakes, time-bound evaluations

CERTIFICATIONS

DevOps & Agile | IBM CEP

Completed IBM's DevOps & Agile course, mastering CI/CD pipelines and agile methodologies for efficient development.

AWS Solutions Architect Associate | AWS Academy

Earned AWS certification, skilled in designing scalable, cost-effective cloud architectures using AWS services.

Linux Unhatched | CISCO Networking Academy

Completed Cisco's Linux course, proficient in Linux system administration and command-line operations and scripting for efficient system management.