

SHIVANG DWIVEDI

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EDUCATION

VIT Bhopal University | Bhopal Madhya Pradesh
B. Tech in Computer Science Engineering, CGPA **8.8/10**
Lord Buddha Public School | Kota Rajasthan
Class 12th CBSE, CGPA **8.51/10**
LBS Convent Sr. Sec. School | Kota Rajasthan
Class 10th CBSE, CGPA **9.43/10**

October 2022 – July 2022

June 2021 – July 2022

June 2019 – July 2020

TECHNICAL SKILLS

Languages, Frameworks and Databases | Python, Go, MySQL, Django, Flask, React
Developer Tools | Git and GitHub, Git Actions, VS Code, Jupyter, Linux, AWS, Docker, Docker Swarm.
Libraries | Pandas, NumPy, Matplotlib, TensorFlow, PyTorch, Sklearn.

PROJECTS

ForensicHub | Technologies - Go, React, TypeScript, REST API, React Bootstrap, Docker | Full-Stack

- Developed a full-stack digital forensics training platform using a Go backend and a React/TypeScript frontend.
- Engineered a lightweight RESTful API in Go with the native `net/http` package to serve all application data, including user profiles, case studies, and legal resources, making it scalable
- Built a responsive, pixel-perfect user interface from scratch using React Bootstrap, ensuring a seamless experience across devices.
- Integrated the frontend and backend to create a dynamic user experience, featuring asynchronous data fetching with comprehensive loading and error-handling states.

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.