Sarina Shakya

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SUMMARY

- Passionate and detail-oriented Computer Engineering student with hands-on experience in Python, web development, and data-driven projects.
- Skilled in developing interactive and AI-based systems including **Virtual Painting System** and **Captionary**, integrating Python, OpenCV, and TensorFlow.
- Problem-solving, teamwork, and communication skills with enthusiasm for innovative technology and continuous learning.

EDUCATION

Bachelor of Computer Engineering | *Lalitpur Engineering College, Chakupat*   **2022 – Present**
Education (+2 Science) | *Omega College, Kumaripati* **| (GPA 3.57)**   **2020 – 2021**
SEE | *Horizon English School, Dhapagal* **| (GPA 3.65)**   **2005 – 2019**

PROJECTS | *(Link to Full Projects)*

- **Virtual Painting System using Finger Gesture Detection and Recognition** |*(Link to Project)*
  Relevant Skills: Python, OpenCV, Numpy
  – Developed a system allowing users to draw in the air using hand gestures captured by a webcam.

- **Captionary: Generating Image Descriptions with ResNet and LSTM** |*(Link to Project)*
  Relevant Skills: Python, CNN, LSTM, Deep Learning, ML Optimization, TensorFlow
  – Created a deep learning model that automatically generates captions for images using CNN and LSTM.

SKILLS

- **Programming:** Python, C, C++
- **Web Development:** HTML, CSS, JavaScript
- **Database:** MySQL
- **Tools:** VS Code, Git
- **Soft Skills:** Communication, Teamwork, Problem Solving

HOBBIES

- Reading
- Dancing
- Travelling
- Drawing
- Listening to Music