Sandesh Shrestha

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EDUCATION

B. Tech (Computer Engineering)	2021-2025	Delhi Technological University, Delhi, India	9.40 CGPA
NEB (Class XII)	2020	Capital Secondary School, Kathmandu, Nepal	96.25%
NEB (Class X)	2018	Janajyoti Vidyamandir, Ghorahi-15, Dang, Nepal	97.5%

ACADEMIC PROJECTS

- **Image Classification using CNN on CIFAR-100**
  - Multiclass image classification on the **CIFAR-100** dataset using PyTorch, developing **AlexNet**, **VGG16**, and **ResNet** (**CNN models**) from scratch through training, optimization, and evaluation.
- **Titanic Survival Prediction End-to-End Project**
  - An end-to-end ML project using Titanic dataset, encompassing data visualization, EDA, feature engineering, ensemble learning, model building, and deployment of a Flask app for survival prediction, achieving an accuracy of 82%.
- **Stock Price Prediction using LSTM**
  - Implemented Long Short-Term Memory using **TensorFlow** and **Keras** for Stock Price Prediction of Apple and Spotify stocks dataset, with an overall of around 5% RMSE
- **Magic Cloak**
  - CV application script written using OpenCV & NumPy to create **real-time illusion of objects or people being invisible under the chosen color**, achieving 96% color accuracy for real-time color replacement.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Indian Council for Cultural Relations (**ICCR**) Scholar GSS/2021
  - Awarded with the highly competitive Indian Council for Cultural Relations (ICCR) Scholar GSS/2021 scholarship for outstanding results, securing a place among a select few from Nepal, to pursue advanced studies in Tier-1 Universities with full funding

TECHNICAL SKILLS

- Languages: C/C++, Python, SQL
- Skills: Data Structures and Algorithm, Machine Learning, Deep Learning, MySQL, Data Visualization, NumPy, Pandas, PyTorch
- Familiar with: Dart/Flutter, HTML, CSS, PowerBI, Tensorflow, Keras
- Version Control and OS: Git, GitHub, Linux

POSITIONS OF RESPONSIBILITY

- Serving as the **Technical Activity Coordinator** in the **International Students' Society**, Delhi Technological University year [2022-23]
  - Managed a team responsible for developing and maintaining the **website** and international student's extensive **dashboard** of International Students' Society [https://dtuiss.org/]
  - Proficient in graphics designing and editing using CorelDRAW, Photoshop and prepared brochures, banners and flyers & various graphics & video editing tools for society's events and webinars

EXTRA-CURRICULAR ACTIVITIES

- Initiated and moderated monthly book discussions within the school's Book Club, fostering intellectual exploration and meaningful dialogue among members.
- Dedicated my time to humanitarian causes in 2015, actively participating in post-earthquake relief initiatives, including the distribution of crucial supplies such as food, water, and medical aid to affected communities in Nepal.