Aman Poddar

My strong acumen and diligence are a perfect fit for this role.

· Email · Cell No. · LinkedIn · GitHub

EDUCATION

Tribhuvan University (Amrit Science Campus), Kathmandu, Nepal **Nov'2018- Present**
Bachelor of Science in Computer Science and Information Technology Expected Graduation: Sep'23
Coursework: Introduction to Linear Algebra, Probability and Statistics, Object Oriented Programming, Data Structures and Algorithms, Artificial Intelligence, Operating System, Database Management System, Cryptography, Compiler Design.
GoldenGate International College, Kathmandu, Nepal **Jul'2016- Aug'2018**
National Examination Board - High School Degree
Coursework: Mathematics, Computer Science, Physics, Chemistry, English and Nepali.

PROFESSIONAL EXPERIENCE

Upaya — Software R&D Intern **Apr'23 –Jun'23**
Leveraged ML and computer vision for streamlined logistics, developed software for image information extraction. Fostered collaboration in diverse environments, researched logistics optimization, and performed data analysis for improved operations.
CloudFactory, Kathmandu, Nepal — Data Analyst (Part-time) **Jun'20 –Mar'23**
Worked on modeling the building of various locations interacting with various software. And review the tasks completed by other workers, which has eventually developed my skills of communication, mentorship, and dealing with different team members.
The Spark Foundation — Data Science and Business Analytics Intern **Oct'22 –Nov'22**
Performed Exploratory Data Analysis (EDA) using different visualization techniques on dataset Global Terrorism, found out hot zone of Terrorism and derived Security issues and insights from EDA.
Intern'spedia — Machine Learning Intern **Sep'22 –Oct'22**
Performed image processing to cartoonify any image using OpenCV, EasyGui and others to obtain final image

ACADEMIC PROJECTS

Phishing Defence: A Machine Learning Approach, *Tribhuvan University*
A final year college project where developed a machine learning-based approach to create a Chrome extension using Flask to detect phishing URLs. Trained the model using a Kaggle dataset with multiple features and employed random forest. Hosted the web app locally in developer mode on Chrome.

Stock Market Prediction Using Stacked LSTM, *Tribhuvan University*
Predicted the return on NSE-TATAGLOBAL stocks using LSTM, used closing prices from specific time periods to predict the next 30 days' stock price, and built a stacked LSTM model with TensorFlow and Keras.

Music Recommendation System, *Tribhuvan University*
Built a recommendation system based on user song history, and the LightBGM algorithm was used to predict song accuracy, which outperformed and was very high when compared to Random Forest classifiers.

Cartoonify the Image, *Intern'spedia*
Used OpenCV for image processing, converting the original image to other formats, such as grayscale, smoothening, recovering edges, masking the image, and finally creating a cartoon effect using various filters and bitwise operations.

Image to Pencil Sketch Using Python, *Tribhuvan University*
The image was processed using OpenCV, then it was transformed to grayscale, inverted, blurred with a Gaussian function, blended with an inverted blurry image, and the final sketch was obtained using bitwise division.

Prediction Using Decision Tree Algorithm, *The Spark Foundation*
Created the Decision Tree Classifier and graphically visualized it among various given features; this developed classifier was capable of predicting the correct class when new data was fed in.

TECHNICAL KNOWLEDGE

Languages and Database: Python, C/C++, MySQL.
Tools and Framework: Jupyter Notebook, PyCharm, VS Code, Kaggle, Postman API, Flask, FastAPI.
Libraries: NumPy, Pandas, Matplotlib, Tensorflow, Sklearn, Seaborn, OpenCV, Pytorch.
Soft Skills: Analytical-Thinker, Problem-Solver, Communicator, Teamwork, Self-Motivator, Leader, Ingenious.

PROFESSIONALS CERTIFICATES

Machine Learning (2022), *Coursera, DeepLearning.AI and Stanford University (Online)*
AWS Machine Learning Foundations 2022, *Udacity (Online)*
Software Engineering Virtual Experience, *JP Morgan Chase & Co. (Online)*
Python Data Structures, *Coursera (Online)*