

Binit Sapkota

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🌐 <https://www.linkedin.com/in/mrbinit/> 🏠 <https://github.com/MrBinit>

PROFILE

An enthusiastic and ambitious Machine Learning Engineer, driven by a passion for innovation, I aim to leverage my technical skills and insatiable thirst for knowledge to explore the possibilities of Artificial Intelligence, enjoying the dynamic interplay of Data, Mathematics, and Business, and thriving in both collaborative and leadership roles.

EDUCATION

Bachelors of Science in Information Technology-Data Science 05/2021 – 07/2025
King's College, Westcliff University Kathmandu, Nepal

High School 04/2018 – 08/2020
Global College of Management Kathmandu, Nepal

SKILLS

Deep Learning (Tensorflow)
Natural language Processing / Computer Vision

Machine Learning (Scikit-Learn)
Classification / Regression / Clustering / Dimensionality reduction / Data Mining

Big Data Processing
PySpark

Mathematics Knowledge
Statistics / Linear algebra / Calculus

Databases
MySQL / NoSQL


Data Structures and Algorithm
Python / C++ / C

Software Development Tools
Linux / Docker / Git / Github / AWS / Databricks / Postman / Pip

Data analysis and Visualization
Tableau / Matplotlib / Seaborn / Plotly

Python
Flask / FastAPI

PROJECTS

AI generated Image detection  04/2024

In my project, I created a model to classify images as AI-generated or human-drawn. I conducted data preprocessing tasks including resizing, normalization, grayscale conversion, and augmentation for improved performance. Using the EfficientNet84 architecture, the model showed strong performance across evaluation metrics. Deployment involved setting up a Flask-based RESTful API for real-time classification and leveraging Docker for portable and reproducible deployment.

Sentiment Analysis

04/2024

In this project, I conducted sentiment analysis on the ACLIMDB dataset, utilizing Convolutional Neural Networks to classify text sentiment. I performed extensive data preprocessing tasks in natural language processing, including text tokenization, removal of stopwords, and stemming. The project also involved Docker deployment and the creation of a simple HTML interface using Flask to provide real-time predictions through a RESTful API.

MNIST-Fashion

03/2024

In this project, I have trained a deep Multilayer Perceptron (MLP) on the MNIST Fashion dataset using TensorFlow and Keras. This involved building, tuning, and optimizing the model to achieve accurate predictions. Additionally, I have packaged the trained model into a Docker image for seamless deployment and scalability.

Spam Classifier

03/2024

In this email classifier project, I have performed Data preprocessing, Model building, and deployment. It includes Docker deployment and a simple HTML interface using Flask for real-time predictions.

California Housing Prediction

02/2024

This is an end-to-end regression project focused on California housing prices. It encompasses comprehensive data analysis, preprocessing, model building, tuning, evaluation, and deployment using Flask.

PROFESSIONAL EXPERIENCE

Student Consultant

King's College

12/2022 – 06/2023
Kathmandu, Nepal

In student consultant, I used to provide counseling to students who were interested in the BSIT program offered by King's College. I also used to provide them with brief information about what exactly BSIT is, what they would learn, the future scope of the course, and much more.

Content Writer

Doers Soft

03/2022 – 07/2022
Kathmandu, Nepal

As a content writer, I created engaging and informative articles, blog posts, and other written materials to captivate audiences and convey key messages effectively. I conducted thorough research on various topics, ensuring accuracy and credibility in my writing.

AWARDS

Erasmus Scholarship for Semester Exchange

Kajaani University of Applied Sciences

2023
Kajaani, Finland

I studied as a fully funded exchange student at Kajaani University of Applied Sciences (KAMK) for four months. During this time, I had the opportunity to take several courses and enhance my skills.

Dean List

King's College, Westcliff University

2022 – 2023
Kathmandu, Nepal

I had consistently achieved academic excellence, earning a place on the Dean's List at Westcliff University across multiple semesters.

Best Implementation at Apex Ideathon 2023

Apex College

2023
Kathmandu, Nepal

I participated in the Apex Ideathon and won the prize for the best implementation.

ORGANIZATIONS

Code for Change

College Representative

01/2022 – 12/2022
Kathmandu, Nepal

I served as a college representative for Code of Change and actively participated in all events organized by the organization.

King's Club*Coordinator Athletic Club*

I served as the Coordinator of the Athletic Club, organizing multiple sports events as a lead.

01/2023 – 08/2023
Kathmandu, Nepal

King's Gambit*Event Lead*

I led the event for the King's Gambit, an inter-college chess competition organized by King's College.

06/2023
Kathmandu, Nepal

REFERENCES

Suhel Acharya, *Senior Data Engineer*, TechKraft Inc.
suhel.acharya10@gmail.com, 9841550183

Rojan Rajbhandari, *Senior Software Engineer*, Outside
rrojan20@gmail.com, 9860484833

Manoj Pandey, *Tech Program Lead*, King's College
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