

# Suraj Thapa

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## SUMMARY

- Highly motivated Data Science graduate student with hands-on experience in machine learning, computer vision, and deep learning, adept at driving research initiatives, leveraging strong analytical and problem-solving skills to collaborate effectively in team environments
- Familiar with Languages: Python, C++, Java, R, and SQL
- Libraries/Frameworks: NumPy, Matplotlib, Pandas, Scikit-Learn, PyTorch, and TensorFlow
- Tools and Platforms: Jupyter Notebook, Git, AWS, Linux, and Vim

## EDUCATION

University of New Haven

West Haven, CT

**Master of Science, Data Science**

**August 2024 – May 2026**

Concentration: Computer Vision, Machine Learning, Deep Learning

Nepal College of Information Technology

Lalitpur, Nepal

**Bachelor of Engineering, Information Technology**

**September 2017 – August 2022**

Courses: Engineering Mathematics, Data Structure and Algorithm, Intelligent Systems, Database Management System, Applied Operating System, Software Engineering

GPA: 3.89/4.0

Honors/Awards: Departmental Valedictorian

## EMPLOYMENT EXPERIENCE

**Research Assistant** | University of New Haven, West Haven, CT

August 2024 – Present

- Conducting research in machine learning and computer vision to explore innovative techniques and methodologies
- Applying research outcomes through Python to develop, test, and validate models
- Composing research papers to document findings and disseminate insights within the academic community

**Data Analyst** | Cliff Byte Pvt. Ltd., Kathmandu, Nepal

December 2022 – December 2023

- Assembled and cleaned datasets using SQL, analyzing them to uncover trends and patterns using Python
- Generated reports and dashboards to visualize data, improving accessibility and understanding of key metrics
- Presented insights to stakeholders, enabling informed decisions, and driving data-driven strategies

## INTERNSHIP EXPERIENCE

**Data Analyst** | Cliff Byte Pvt. Ltd., Kathmandu, Nepal

August 2022 – November 2022

- Cleaned, merged, and controlled data quality to ensure accuracy and reliable backups
- Analyzed data for trends and created reports and dashboards in Power BI and Excel to deliver clear insights

## EXTRACURRICULAR INVOLVEMENT

**Nepal Open-Source Klub (NOSK), Nepal College of Information Technology**

**Kathmandu, Nepal**

Former Member

September 2019 – August 2022

- Mentored juniors about open-source software and Linux OS, enhancing their understanding and encouraging hands-on learning
- Organized and led IT-focused events and training programs, including Software Freedom Day, fostering skill development and knowledge sharing within the community

## RELEVANT PROJECT

**Event Recommendation System, Nepal College of Information Technology**

**Kathmandu, Nepal**

January 2022 – August 2022

- Built an Event Recommendation System using clustering, k-NN, and matrix factorization, achieving 90% recommendation precision
- Sourced and processed data with Python libraries (Pandas, NumPy, Scikit-learn) from Kaggle and event organizers