

# Sailesh Subedi

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## SUMMARY

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Technology enthusiast with master's in data science having expertise in Data science, programming, and Mathematical statistics skills with proven capabilities in practical applications, represented by couple of projects and courses at university. Focused on delivering data-driven insights and innovative solutions in a professional setting. Individual with strong communication skill along with teamwork spirit, eager to apply technical and soft skills in an industrial data science role.

## PROJECTS

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### Sign Language Recognition System using CNN

[View in GitHub](#)

*Final year dissertation, Kingston University*

- Developed a Sign Language Recognition Model that identifies and interprets the American Sign Alphabets.
- Implemented a Convolutional Neural Network (CNN) for image recognition and data training and got an impressive **98.3%** accuracy.

**Skills:** Deep Learning (CNN) | Research | Data Pre-Processing | Jupyter Notebook

### Real-Time GIF Reaction Generator

[View app](#)

*Personal project*

- Created a real-time GIF reaction generator web app that detects emotions in user input and displays relevant GIFs.
- Integrated a refresh button allowing users to generate new GIFs based on the previously detected emotion.
- Leveraged a transformer-based NLP model to interpret emotions such as joy, anger, and sadness.
- Used Giphy API for retrieving and refreshing GIFs according to the stored emotion input.
- Built a seamless, interactive interface with Streamlit for an engaging user experience.
- **Skills:** Python | Streamlit | Transformers | Giphy API | NLP | Machine Learning

## EDUCATION

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### MSc Data Science

Jan 2023 – March 2024

Kingston University (United Kingdom)

*Relevant Courses:* Machine Learning | Database and Data Warehousing | Applied Data Programming | Data Analytics and Visualization | Deep Learning.

### BSc in Computer Science

Aug 2017 – May 2021

University of Louisiana Monroe (United States)

Relevant Courses: Intermediate Programming | Calculus and Statistics | Data Structure and Algorithm | Information System | Computer Architecture | Operating Systems | Principle of Software Engineering | Ethical and Professional Issues

## SKILLS

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**DATA SCIENCE TOPICS:** Data Collection | Data Wrangling | Data Pre-Processing | Exploratory Data Analysis | Machine Learning | Data Visualization | Predictive Modeling | Deep Learning

**PROGRAMMING LANGUAGES:** Python | Java | MySQL | R

**SOFTWARES:** Tableau | Visual Studio | Jupyter Notebook | Google Colab | R Studio | Microsoft Word | Microsoft Excel | Streamlit | Github | Scikit-Learn

**TRANSFERABLE SKILLS:** Communication | Teamwork | Collaboration | Leadership | Problem-Solving | Continuous Learning

## HONORS AND REWARDS

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**Academic Excellence Award**

2017

University of Louisiana Monroe, USA

## ACTIVITIES AND INVOLVEMENT

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**Member**

Honors Program

Aug 2017 – Jan 2021

Association for Computer Machinery (ACM)

Sept 2017 – May 2021

Nepalese Anti-tuberculosis Association (NATA)

Jan 2017 – Dec 2017

## HOBBIES

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Football | Video-Gaming | Exploration on diverse topics | Science-Fiction (Sci-Fi) | Forex trading

## REFERENCES

Available upon request.