Naava N.Hedwig

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Nancy (54), France

Summary

Master's student in Natural Language Processing (NLP) with expertise in machine learning, computational linguistics, and data science. Proficient in Python, TensorFlow, SpaCy, and tools like Hugging Face and Audacity. Strong background in data analysis, clustering, and NLP techniques. Focused on applying AI and NLP technologies to real-world challenges.

Experience

Web Developer

Qodex Media • Uganda, Kampala
02/2022 - 01/2023

- Designed and maintained intuitive, responsive web designs, ensuring a seamless user experience across all devices.
- Created dynamic user interfaces using HTML, CSS, and JavaScript, enhancing front-end aesthetics and interactivity.
- Developed robust backend solutions with Node.js, Python, Ruby, and PHP, optimizing web application functionality and database interactions.

Data Analyst

Infectious Disease research collaboration • Uganda, Kampala
08/2021 - 12/2022

- Conducted malaria research in collaboration with the Malaria Consortium and Johns Hopkins University, collecting and analyzing blood samples from remote regions of Uganda.
- Used Python and R for data analysis and visualization, generating key insights for the malaria study.
- Contributed to the SEARCH Youth Study, building data dictionaries and a data management system for the immunization study in Wakiso funded by the GAVI Alliance.
- Developed and managed a comprehensive database system for the PRISM tuberculosis study, ensuring data integrity and accessibility for large-scale public health research.

Ad Evaluator

Facebook • Uganda, Kampala
05/2020 - 09/2020

- Developed and implemented a comprehensive taxonomy system for ads, including categorization and classification of advertisements.
- Conducted regular quality assurance checks to ensure the accuracy and consistency of the ad taxonomy.
- Collaborated with cross-functional teams to optimize ad taxonomy for improved data insight

Projects

- **Dependency Parsing:**
  Designed models to improve syntactic parsers using Python, TensorFlow, SpaCy, and NLTK.
- **Fake News Detection and Generation:**
  Developed machine learning models for fake news detection and generation using Large Language Models (LLMs), Hugging Face LLaMA, NER, and text characterization.
- **Speech Processing of Luganda:**
  Built speech recognition and synthesis models using Python, Audacity, and Praat.
- **Web Semantics and Ontology Building (UFO Ontology):**
  Created semantic frameworks using Protégé, GraphDB, and OntoRefine for ontology representation.
- **Web Scraping:**

Built web scraping tools using BeautifulSoup and Scrapy, integrated with NER, data cleaning, clustering, and NLP libraries such as Stanza and SpaCy.

Skills

Python, Machine Learning, PHP, Communication skills, Computer literacy, Time management, MATLAB, TensorFlow, Power BI, Data Analysis Skills, Sentiment Analytics, SEO Tools, HTML, Search Engine Optimization

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Education

Msc. Natural Language Processing

Universite de Lorraine • Nancy , France
02/2026

- Currently completing courses in computer science, linguistics,speech recognition and Artificial Intelligence

Data Science

Coursera • Online
05/2024

- Completed courses in data analysis

Bsc Business Computing

Uganda Christian University • Mukono, Uganda
10/2021

- Graduated summa cum laude—3.7+ GPA