

Negasi Haile Abadi

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Summary

- Full-stack software engineer for 2 years and currently in the transition to a research-based machine learning career. It's been 6 months since I started self-learning and engaging myself in machine-learning projects.
- Data Scientist with a strong math background and familiar with using predictive modeling, data processing, and data mining algorithms.
- Strong hands-on experience in Data Extraction, Data Modelling, Data Wrangling, Statistical Modeling, Data Mining, and Data Visualization.
- Familiar with Machine Learning algorithm and Predictive Modeling, including Regression, Clustering, Random Forest, K means clustering and experience in performing data analysis on Jupyter Notebook.
- Experience in using various packages in Python like Pandas, NumPy, SciPy, Matplotlib, Seaborn, TensorFlow, and Scikit-Learn.
- Familiar with the entire data science project life cycle and actively involved in all the phases, including data extraction, data cleaning, statistical modeling, and data visualization.
- Experienced in RDBMS implementation and development using MySQL, SQL Server, SQL, and query optimization.

Education

Mekelle University

Tigray, Ethiopia

Computer Science department, Information Systems program

2016 - 2021

- **Courses:** Data Structure & Algorithm, Data Mining & Data Warehousing, Expert Systems, Introduction to Artificial Intelligence, Statistics and Probability, Discrete Mathematics
- **CGPA:** 3.81/4.0

Work Experience

Lesan AI

Berlin, Germany / Remote

Data Scientist

Apr 2022 - Oct 2023

- Collaborated with a team of radiologists and Biomedical Engineers to collect radiology data for the Lacuna-funded Project Afro Chest X-ray.
- Meticulously cleaning and processing the gathered data into a usable format to ensure its quality and integrity.
- Extracting patient findings from handwritten paper using OCR, and organizing x-ray images with patient metadata using shared ID numbers.
- Auditing and documenting the entire data acquisition pipeline, which entailed ensuring compliance with established data collection processes.
- Analyze translation outputs of Lesan on health-related content and provide feedback data to re-train and improve the system.
- **Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Ubuntu Linux, Git, and MS Azure.
- **Soft Skills:** Teamwork, Assistance, Communication, Presentation skills.

Upwork Freelancer

US, Canada, Singapore / Remote

Full-Stack Engineer

Feb 2022 - Nov 2023

- I achieved a 100% Job Success rate and was recognized as a TOP RATED freelancer on Upwork..
- Worked on a project that utilizes healthcare standards and platforms such as Redox, SMART on FHIR, HL7, and Epic.
- Utilized LibreView data to visualize patient Ambulatory Glucose Profile (AGP) using ChartJS. This involves informative visual representations of patients' glucose levels over 14 days.
- Build chatbots using LLM API like GPT OpenAI API and hugging face models.
- **Skills:** ReactJS, NextJS, ChartJS, TailwindCSS, Gitlab, JIRA, SMART on FHIR, AGP data, and utilizing OpenAI API and Hugging face Models

Skills

Programming	Python, Java, JavaScript, C++/, C#, TpeScript, PHP,
Machine Learning	Supervised learning, unsupervised learning, deep learning, neural networks, natural language processing (NLP), reinforcement learning, Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Tableau, Power BI, TensorFlow, Keras, PyTorch.
Miscellaneous	AWS, Azure, Google Cloud, SQL, MongoDB, Firebase, Git, CI/CD, and API design.
Languages	English, Amharic, Tigrinya

Achievements

EMNLP & WiNLP	Attended the Empirical Methods of Natural Language Processing (EMNLP 2023) conference and presented my paper in the Widening Natural Language Processing (WiNLP) workshop held in Singapore from Dec 6 - 10, 2023.
Deep Learning Indaba	Attended Deep Learning Indaba 2023 conference in Accra, Ghana, from Sept 2 to Sept 10, 2023. I served at the registration desk support and communication volunteer.
AfricaNLP Workshop	Attended AfricanNLP workshop collocated with ICLR 2023 on 5th May, 2023. And I have presented my first paper.
Black In AI	Member of Black In AI since Jun 2022.