

## CURRICULUM VITAE

### Sara Tesfamariam

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### EDUCATION

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- 08.2021 - 08.2024 **Bachelor's degree in applied data science, Noroff University College**  
Main modules: Statistical Analysis Tools and Techniques, Algorithms and Data Structures, Professional Software Development, Object Oriented Programming, Big Data Analytics, Machine Learning and Data Visualization.
- 09.2005 – 06.2008 **Bachelor's degree in accounting and finance, London Metropolitan University**  
Main modules: Income and Corporate Taxation, Finance, Advanced Financial Reporting, Strategic Management Accounting and Project Management.
- 09.2002 – 06.2005 **Association of Accounting Technicians (AAT) level 3, City & Islington College**  
Practical main modules: Reconciliation, forecasting, variance analysis, ratio analysis and generating financial statements (Income Statement, Balance Sheet and Cash Flow).

### KEY SKILLS

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Python, SQL, Pandas, Spark, HADOOP, MongoDB, Neo4j, Sage Line 50

### RELEVANT EXPERIENCE

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- 08.2023 – 05.2024 **Bachelor's Thesis, Noroff University College & Cleveland Clinic**  
Thesis title: "Characterisation of cancer cell lines and patient tissue samples using machine learning."  
  
Conducted statistical and proportional analysis, utilised an autoencoder artificial neural network for pattern discovery and developed an interactive dashboard with Plotly Dash. Grade: B
- 10.2012 – 03.2020 **Café Barista, Oslo Atrium (De Tre Sturer)**  
Greet customers, order inventory, prepare drinks and train new employees.
- 09.2009 - 12.2011 **Assistant Manager, Starbucks Coffee Company**

Support store operations, recruitment training, and guidance of new employees, as well as customer service, supervise daily sales and cash handling, handle staffing needs, and ensure compliance with health and safety regulations.

- 07.2008 – 09.2009    **Trainee Auditor, Carter Backer Winter (CBW)**  
Perform various audit assignments under the supervision of senior audit staff to review the soundness, adequacy and application of internal controls and financial systems.
- Audit financial statements produced by clients to ensure that all receipts and expenditures have been properly accounted for.

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## OTHER EXPERIENCES

- 12.2020 – 07.2021    Housewife: The family moved to the USA. Help my kids with homeschooling during the COVID-19 lockdown.
- 03.2020 – 12.2020  
De Tre Stuer    Temporary Employee: work as a temporary employee during the COVID-19 work interruption. Demonstrate flexibility and a strong work ethic during challenging periods.
- 12.2011 – 10.2012    Housewife: Moved from London, UK and was on maternity leave. Manage household tasks focusing on family responsibilities.

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## LANGUAGE

English, Norwegian B1/B2, Amharic, Tigrigna

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## INTEREST

Baking, Cooking and family time

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## REFERENCE

Dr. Isah A. Lawal, B.Eng.(Hons.), M.Sc., Ph.D., MIET, Program leader, Applied Data Science, Noroff University College. E-mail: [isah.lawal@noroff.no](mailto:isah.lawal@noroff.no)

Dr. Sahar Yassine (BSc. MBA, PhD) Associate Professor, Applied Data Science, Noroff University College. E-mail: [sahar.yassine@noroff.no](mailto:sahar.yassine@noroff.no)

Dr. Arda Durmaz, PhD, postdoctoral research at the Department of Translational Hematology & Oncology Research, Cleveland Clinic and Case Western University.  
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