Feven Tefera

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EDUCATION

Michigan Technological University   Houghton, MI, USA
Master of Science, Data Science; GPA 3.8   **Aug 2023 - April 2025**
Haramaya University   Harar, Ethiopia
Bachelor of Science, Software Engineering; GPA 3.7   **Sept 2012 - July 2016**

SKILLS SUMMARY

- **Languages**:   Python, SQL, SAS, R
- **Frameworks**:   Pandas, Numpy, Scikit-Learn, Matplotlib
- **Tools**:   Power BI, Excel, PowerPoint, MySQL, GitHub
- **Platforms**:   PyCharm, Jupyter Notebook, Google CoLab, MySQL Workbench, Microsoft Azure
- **Soft Skills**:   Work Ethic, Adaptability, Excellent communication, Problem Solving, Critical and Analytical Thinking

WORK EXPERIENCE

Graduate Teaching Assistant | Michigan Technological University, Houghton, USA | **Aug 2024 - Present**
- o   Support students in coursework, offering guidance in assignments and projects.
- o   Conduct lab sessions, grade assignments and provide constructive feedback to enhance student engagements.

Supply-Chain Specialist | Union Trade and Investments, Xiamen, China | **May 2019 - Aug 2023**
- o   Negotiated with international suppliers for cost-effective and high-quality products.
- o   Conducted on-site factory evaluation for quality and efficiency.
- o   Coordinated logistics and shipping with multiple transportation providers.

Software Engineer | Kifiya Financial Technology, Addis Ababa, Ethiopia | **July 2012 - Aug 2018**
- o   Developed and deployed a mobile-based ticket booking system, enabling city-to-city travel and utility payments.
- o   Tested and optimized booking functionality, ensuring seamless user experiences and system reliability.
- o   Troubleshot and resolved issues across the system and database, enhancing performance and operational efficiency.

Software Engineer Intern | Ministry of Information and Communication Technology, AA, Ethiopia | **June 2015- Sep 2015**
- o   Developed a real-time bus tracking mobile app and a web app for bus information management, seamlessly integrating both platforms with the Ministry team.

PROJECTS

Predicting Hospital Readmission of Diabetic Patients | **Jan - May 2024**
- o   Achieved a high accuracy rate in predicting hospital readmission of diabetic patients by developing and deploying a machine learning model.
- o   Conducted extensive experiments with classification algorithms to determine the best approach for readmission prediction.
- o   Analyzed key factors influencing readmission to improve patient outcomes and hospital resource allocation.

Telco Customer Churn | **Aug - Dec 2024**
- o   Developed a machine learning model to predict customer churn in a telecommunications company, enabling proactive retention strategies.
- o   Analyzed customer usage patterns and demographics using classification algorithms to identify factors contributing to churn.
- o   Created targeted marketing campaigns based on churn predictions, resulting in improved customer retention rates and reduced revenue loss.

Predicting Loan Default Risk for Creditors | **Aug - Dec 2024**
- o   Developed a machine learning model to predict the likelihood of loan default, enabling lenders to make informed credit decisions.
- o   Analyzed historical loan data and customer profiles using classification algorithms to identify key factors influencing repayment behavior.
- o   Generated risk assessment reports that improved loan approval processes and reduced potential losses from defaults.

CERTIFICATES

- Python for Data Science (IBM Certification) | **June 2023**
- Introduction to Data Science (IBM Certification) | **June 2023**
- Advance Responsible Conduct of Research (RCR) | **August 2024**