Feven Tefera

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EDUCATION

Michigan Technological University — **Houghton, MI**
Master of Science in Data Science | GPA 3.9 — *April 2025*
Haramaya University — **Dire Dawa, Ethiopia**
Bachelor of Science in Software Engineering | GPA 3.7 — *July 2016*

SKILLS

- **Languages**: Python, R, SQL, SAS, JavaScript, HTML/CSS
- **Frameworks/Libraries**: Pandas, Scikit-learn, NumPy, Pytorch, TensorFlow, Matplotlib, seaborn
- **Tools**: Power BI, Azure Data Studio, Excel, Git, MySQL, Tableau, Jupyter, VS Code
- **Cloud Platforms**: Microsoft Azure, AWS, GitHub Actions

EXPERIENCE

Michigan Technological University — **San Francisco, CA**
Research Assistant — *June 2025 – present*

- Conducting applied research in NLP and LLMs, focusing on improving factual accuracy in text summarization.
- Building summarization pipelines using SUMBERT model; evaluating outputs with ROUGE metrics.
- Fine-tuning extractive and abstractive summarization on the CNN/DailyMail dataset (312K samples).

Michigan Technological University — **Houghton, MI**
Graduate Teaching Assistant — *August 2024 – April 2025*

- Instructed and mentored 80+ students in ML and data science, boosting academic performance by 30%.
- Designed lab sessions using real-world datasets; automated grading, increasing evaluation efficiency by 45%.
- Aligned course content with industry trends, integrating Pandas, NumPy, Seaborn, Scikit-Learn, and PyTorch.

Union Trade and Investments — **Xiamen, China**
Supply Chain Analyst — *May 2019 – August 2023*

- Managed vendor relationships across East Asia, securing cost-efficient deals and reducing supply costs by 22%.
- Oversaw $5M+ in annual shipments and streamlined inventory workflows, boosting order accuracy by 35%.
- Led quarterly forecasting using statistical analysis, improving availability and cutting overstock by 18%.

Kifiya Financial Technology — **Addis Ababa, Ethiopia**
Software Engineer — *July 2016 – August 2018*

- Developed a cross-platform mobile ticketing system for intercity transport, reaching 250K+ users.
- Optimized backend APIs and MySQL queries, cutting response time by 40% and increasing throughput.
- Implemented monitoring tools and resolved incidents, maintaining 99.8% system uptime.

Ministry of Innovation and Technology — **Addis Ababa, Ethiopia**
Software Engineering Intern — *June 2015 – September 2015*

- Built a real-time mobile app and web dashboard for Addis Ababa's bus system using geolocation and public APIs.
- Piloted across five districts, reducing wait-time inquiries by 60% and improving transport efficiency.

PROJECTS

Business Intelligence: Real-world Franchise Data Analysis — **April 2025**

- Built an end-to-end BI solution using Azure Data Studio for ETL and Power BI for executive-level dashboards.
- Visualized KPIs such as revenue growth, customer segments, and sales variance across 150+ stores.
- Built DAX measures to uncover $1.2M in inefficiencies, supporting data-driven decisions by senior management.

Predictive Modeling: Hospital Readmission for Diabetic Patients — **December 2025**

- Developed a model that helps hospitals predict if a diabetic patient will return within 30 days.
- Trained classification models to predict patient readmissions, achieving 94% AUC and 88% recall.
- Performed feature engineering and analyzed key drivers to support clinical resource planning and interventions.

Customer Analytics: Telco Churn Prediction — **April 2024**

- Analyzed customer behavior and designed a model that predicts when someone is likely to cancel their service.
- Applied advanced preprocessing to uncover key insights that informed retention strategies.
- Achieved 80.15% accuracy and a Kappa statistic of 0.4678 with Logistic Regression.