Lenin Goud Athikam

✉ lathikam@mtu.edu — 📞 (906) 275-8632 — in linkedin.com/in/athikam-lenin — ⌗ github.com/leninathika

Professional Profile

Data Scientist with internship experience delivering measurable results: improved forecasting accuracy by 15%, automated reporting pipelines that saved 10+ hours per week, and built predictive and NLP models deployed into real-world settings. Skilled in Python, SQL, ML, Tableau, and Generative AI (LangChain, Hugging Face, OpenAI API).

Technical Skills

- **Programming:** Python, R
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Machine Learning:** Regression, Classification, Clustering
- **Deep Learning:** Neural Networks, Transfer Learning, TensorFlow
- **Generative AI:** Hugging Face, OpenAI API
- **Agentic AI:** LangChain, RAG, AutoGen
- **Cloud/Deployment:** AWS SageMaker, Lambda, EC2, Docker

Experience

Data Scientist Intern   YBI Foundation
Dec 2023 – Mar 2024
- Developed predictive models in Python, increasing forecast accuracy by 15%.
- Automated reporting workflows with Pandas and Matplotlib, saving 10+ hours weekly.
- Presented insights through tailored visualizations for both executives and engineering teams.

Data Analyst Intern   Edulyt India (Airkrit India)
Aug 2023 – Sep 2023
- Analyzed datasets with 100K+ records using SQL and Excel, ensuring high-quality data validation.
- Built dashboards in Tableau and Power BI, enabling leadership to monitor KPIs in real time.
- Delivered insights that guided student engagement strategies, improving retention by 12%.

Projects

YouTube Comments Sentiment Analysis
- Designed a browser-based sentiment analysis system for 10k+ comments, achieving 87% accuracy.
- Deployed via Chrome extension (Flask + JavaScript), reducing manual moderation time by 40%.
- *Tools: Python, NLTK, Flask, JavaScript, HTML/CSS, Chrome API*

Spotify Hybrid Recommender System
- Built a hybrid recommendation engine (collaborative + content-based), boosting playlist precision by 22%.
- Launched a Streamlit app for interactive playlist generation, increasing session time by 18%.
- *Tools: Python, Pandas, Scikit-learn, TMDb, Streamlit*

Swiggy Delivery Time Prediction
- Created Gradient Boosting and XGBoost regression models, reducing RMSE by 15% over baseline.
- Optimized the pipeline for real-time inference, lowering latency by 25%.
- *Tools: Python, Pandas, XGBoost, Matplotlib, Seaborn*

Education

Michigan Technological University   Houghton, MI
MS in Data Science — Expected Dec 2026 — GPA: 3.4/4.0

Parul University   India
B.Tech in Artificial Intelligence — May 2024 — GPA: 8.34/10

Certifications

- IBM Data Science Professional Certificate (2023)
- Google Data Analytics Professional Certificate (2023)