

GLENN DALBEY

Data Science & Analytics Professional

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

TECHNICAL SKILLS

Programming

Python (Expert), R, SQL, TypeScript, JavaScript, C++

ML & AI

PyTorch, TensorFlow, scikit-learn, XGBoost, Hugging Face, DistilBERT

Data Science

Pandas, NumPy, Tableau, Statistical Analysis, Predictive Modeling

Cloud & Web

AWS (Certified), PostgreSQL, Flask, FastAPI, React, Docker

Specializations

Computer Vision, NLP, Multi-modal AI, Healthcare AI, MLOps

EDUCATION

MS, Data Science & Analytics

Western Governors University
August 2025
Healthcare AI Capstone (Production)

BS, Data Analytics

Western Governors University
March 2023 - September 2024
NFL Prediction Capstone

AS, IT Programming

Clinton Community College
2022

CERTIFICATIONS

- CompTIA Data+ (2024-2027)
- AWS Cloud Practitioner (2024-2027)
- Advanced Computer Vision & Deep Learning
- ML DevOps & Model Deployment
- Transformer Models & BERT

HONORS

PROFESSIONAL SUMMARY

Results-driven Data Science professional with MS in Data Science and proven expertise in production AI/ML systems. Successfully deployed healthcare AI with 93.8% accuracy and production-grade performance. Demonstrated success in advanced predictive modeling (90.9% ROC AUC), multi-modal AI, and MLOps. Combines technical expertise with 15+ years of operational excellence and continuous improvement leadership.

FEATURED PROJECTS

Apollo Healthcare Connect | [apollohealthcareconnect.com](#)

Production Multi-modal AI Healthcare Triage System | MS Capstone

- Deployed fully functional healthcare AI system with 93.8% accuracy and production-grade performance
- Implemented 5-model ensemble combining DistilBERT (NLP) and CNNs (Computer Vision)
- Successfully handled extreme class imbalance (29.7:1) with advanced loss functions
- Built production pipeline with Flask API, AWS S3 integration, and safety protocols

TandemAI - LLM Ensemble Orchestration

Local-First AI Model Collaboration System | [github.com/XxRemsteelexX/TandemAI](#)

- Built platform enabling multiple LLMs to collaborate through 4 orchestration modes
- Designed universal provider support for 10+ platforms (OpenAI, Anthropic, Ollama, etc.)
- Implemented real-time streaming, conversation history, and privacy-first architecture

NFL Rookie Performance Prediction

Advanced ML Analysis | BS Capstone | [github.com/XxRemsteelexX/NFL_Rookie_WR_1K_Analysis](#)

- Achieved 90.9% ROC AUC on temporal validation for predicting 1000+ yard seasons
- Reduced overfitting from 18.5% to 0.4% through feature optimization (46 → 20 features)
- Created production-ready ensemble model with comprehensive data pipeline (2006-2024)

PROFESSIONAL EXPERIENCE

Freelance Data Science Consultant

Thompson Parking & Mobility Consultants
Current

- Develop AI-powered Excel analytics platform enabling natural language data queries
- Design custom analytical solutions and machine learning models for client challenges

- National Society of Leadership and Success
- Phi Theta Kappa Honor Society
- Eagle Scout

Glenn Dalbey - Data Science Professional

- Support data-driven decision making through advanced analytics and predictive modeling

Continuous Improvement Leader & Material Specialist

John Deere, Waterloo Works & Ankeny Works

2005-2020, 2021-Present

- Led CI Department as Representative and Trainer, facilitating process improvement frameworks
- Designed and implemented Zones Project, modernizing material flow training systems
- Led departmental CI mapping initiatives improving operational efficiency and reducing cycle times
- Managed supply chain logistics, vendor relations, and SAP-integrated inventory systems

KEY ACCOMPLISHMENTS

- Deployed fully functional AI healthcare system with 93.8% accuracy and production-grade performance
- Built and deployed 5+ production systems across healthcare, business analytics, and research
- Reduced ML model overfitting by 97.8% through advanced feature optimization techniques
- Published 15+ open-source projects on GitHub with comprehensive documentation
- Successfully handled extreme class imbalance (29.7:1) in medical imaging classification