

Meghashyam Adimallam

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SUMMARY

Experienced in developing and deploying machine learning models and automated data pipelines using Python, TensorFlow, and cloud platforms. Proven ability to improve product relevance and user engagement through advanced analytics and NLP techniques. Seeking leverage skills as a Data Science Intern to support innovative data-driven solutions.

PROFESSIONAL EXPERIENCE

Market Research Analyst Intern | MQS Technologies, Hyderabad, Telangana May '24 – Jun '24

- Conducted research on healthcare market trends and user behavior using EDA and visualization.
- Collaborated with cross-functional teams to derive actionable insights and supported decision-making.

EDUCATION

Master of Science in Data Science May 2026
University of Alabama at Birmingham, Birmingham, AL

TECHNICAL SKILLS

Languages: Python, SQL, R, Bash

Libraries: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, PyTorch, HuggingFace

Tools & Frameworks: Streamlit, Flask, Git, VS Code, GitHub, Jupyter Notebook

Concepts: Supervised & Unsupervised ML, Deep Learning, NLP, Anomaly Detection, EDA, Model Evaluation

PROJECTS

• Research Paper Q&A Bot

- Built a conversational PDF chatbot using LangChain, FAISS, and HuggingFace Embeddings for contextual Q&A from research papers.
- Integrated memory and deployed the solution with a seamless Streamlit-based UI.

• ML Healthcare & Cyber Security

- Developed an ML-based intrusion detection system for healthcare threats using classification models.
- Designed a Flask UI for simulating real-time detection of SQLi, DDoS, and brute-force attacks.

• Speech Emotion Recognition

- Trained a PyTorch model to detect emotions in speech using audio signal preprocessing.
- Deployed for real-time predictions through a user-friendly Streamlit interface.

CERTIFICATIONS

- IBM Generative AI Fundamentals – Coursera
- AWS Certified Cloud Practitioner – AWS
- IBM Data Science – Coursera