

Megha Shyam

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SUMMARY

Results-driven AI & Machine Learning Engineer with a strong academic foundation (CGPA 4.0) and hands-on experience in building real-world AI solutions. Passionate about solving challenging problems using Generative AI, Deep Learning, and modern NLP techniques. Skilled in developing intelligent applications, building dashboards, and deploying solutions in cloud environments. Strong communicator, effective team collaborator, and a lifelong learner with a deep interest in innovative technologies and their applications in healthcare, finance, and education domains.

EDUCATION

The University of Alabama at Birmingham, USA
M.S. in Data Science | Aug 2024 – Present | CGPA: 4.0
B V Raju Institute of Technology, India
B.Tech in Computer Science | 2020 – Apr 2024

TECHNICAL SKILLS

Languages: Python, SQL, R, C++ | Frameworks: PyTorch, TensorFlow, Scikit-learn
Tools: Power BI, Jupyter, Git, Streamlit, VS Code | Cloud: AWS, Google Colab
Focus Areas: NLP, Generative AI, Deep Learning, Time Series, Anomaly Detection

EXPERIENCE

Market Research Analyst Intern | MQS Technologies Pvt Ltd
Hyderabad, India | May 2024 – Jun 2024

- Conducted market research and competitor analysis to support product strategy
- Created promotional mailers, blogs, and learned professional content writing
- Performed data analysis using Excel and assisted in campaign planning

PROJECTS

- Research Paper Q&A Bot (GenAI): PDF chatbot using LangChain + FAISS + HuggingFace
- Anomaly Detection: Credit card fraud detection via SVD
- Speech Emotion Recognition: MFCC + CNN + LSTM for emotion classification
- Power BI Dashboard: Retail sales analysis using KPIs and slicers

CERTIFICATIONS

- AWS Certified Cloud Practitioner (2025)
- IBM Data Science Professional Certificate (2025)
- IBM Generative AI Engineering (2025)
- Google Data Analytics (2025)
- Packt Deep Learning Real-World Projects (2025)