# Sneha Reddy Gurram

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Detail-oriented and highly motivated master's graduate with hands-on experience in Python and SQL. Proficient in developing data-driven applications and efficient database solutions. Seeking an entry-level role to contribute technical expertise and problem-solving skills in software development and data analytics.

## EDUCATION

University of Dayton, Ohio                                                                     **May 2025**
Master of Science in ComputerScience
*Relevant Coursework:* Advance Algorithms, Deep Learning and Image Processing.

**Bachelor of Technology – Information Technology**                    **July 2019 - June 2023**
Vignan's Institute of Technology and Science For Women, India
*Coursework:* Data Structures, Operating Systems, Advanced Data Structure, Object Oriented Modelling, Database Management Systems, Machine learning.

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## TECHNICAL SKILLS

**Programming Languages**: Python, SQL, R, Java
**Database Management**: MySQL, SQLite
**Software and Tools**: Visual Studio, Jupyter Notebook, Tableau
**Other Skills:** Problem-solving, algorithm design, database optimization

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## RELEVANT PROJECTS

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**User-Centric Machine Learning Framework for Cybersecurity Operations Center**

- Developed a user-centric machine learning framework to improve threat detection, user behavior analysis, adaptive security policies, incident response, and continuous learning.
- Enhanced SOC capabilities by leveraging advanced machine learning techniques, enabling efficient and accurate threat identification and user-focused security measures.

**Music Recommendation System**

- Designed and developed a recommendation system leveraging machine learning algorithms to enhance user engagement and satisfaction.
- Collected and preprocessed music data, implemented collaborative filtering and content-based models, and optimized system performance for personalized music recommendations.

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**CERTIFICATIONS:**
- Advanced Software Engineering Virtual Experience, Walmart USA (Forage)

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# Soft Skills
- Strong analytical and problem-solving skills
- Excellent communication and teamwork abilities
- Adaptive learning and time management