

# THANUJA R.M

Data Scientist | NLP & Machine Learning | Python & SQL

@thanujarm2021@vitstudent.ac.in +91 6382879156 Vellore, India  
https://www.linkedin.com/in/thanuja-manivannan-93a344238/ https://github.com/thanuja-007?tab=repositories

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## PROFESSIONAL SUMMARY

- Aspiring Data Scientist with 3+ years of academic experience in Machine Learning, NLP, and Big Data systems
- Developed scalable AI applications including hybrid recommendation engines and medical chatbots
- Skilled in Python, SQL, Spark, and Kafka with strong problem-solving abilities
- Currently pursuing M.Tech in Data Science at VIT, Vellore (Expected 2026)

## TECHNICAL SKILLS

Python (Pandas, NumPy, Scikit-learn) SQL  
Machine Learning NLP (spaCy, NLTK, BERT)  
Big Data (Hadoop, Spark, Kafka) Cloud (AWS, Google Colab)  
Tools: Git, Docker, Flask, Tableau

## PROJECTS

### Music Streaming Analytics

#### Academic Project

- Simulated real-time streams with Kafka
- Processed data with PySpark, visualized with Elasticsearch/Kibana
- Built ML model (F1-score: 0.82) for user preferences
- Hybrid Recommendation System**
  - Designed hybrid (collaborative + content-based) system in Python
  - Improved accuracy by 25% with 10K+ user records
  - Deployed with Flask (90% user satisfaction)

### Drug Traceability System

#### Academic Project

- Blockchain prototype with Hyperledger Fabric
- Smart contracts reduced counterfeit risk by 40%

## EDUCATION

### M.Tech in Data Science

#### Vellore Institute of Technology

2021 – 2026 (Expected) Vellore, India

- Relevant Coursework: Machine Learning, Big Data Analytics, NLP, Distributed Systems

### Higher Secondary (12th)

#### Vellamal International School

2019 – 2021

- Percentage: 91%
- Stream: Computer Science

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Secondary (10th)

**Sigaram Matriculation School**

📅 2018 – 2019

- Percentage: 92%

## CERTIFICATIONS

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- Python for Data Science (Coursera)
- SQL for Data Science (NPTEL)
- AWS Fundamentals (Coursera)

## LANGUAGES

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- English (Professional)
- Tamil (Native)
- Hindi (Fluent)
- German (Intermediate)

## EXTRA-CURRICULAR ACTIVITIES

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- Organized blood donation camps (150+ donors)
- Conducted AI workshops for NGOs
- Radio club event coordinator