

THANUJA R.M

Analyst | Data Science & Generative AI Specialist

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Vellore, India

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PROFESSIONAL SUMMARY

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Analyst skilled in identifying business needs, framing solutions, and delivering recommendations. Experienced with LLMs, generative AI, and Python/SQL/R for data analysis and modeling. Strong communicator with expertise in client presentations and collaboration.

TECHNICAL SKILLS

Programming & Data Analysis

Python (Pandas, NumPy, Scikit-learn) SQL R PySpark

Excel & Google Sheets

Machine Learning & NLP

LLMs Generative AI Recommendation Systems Transformers
BERT spaCy NLTK

Big Data & Cloud

Hadoop Spark Kafka AWS Google Colab

Tools & Frameworks

Git Docker Flask PowerBI Tableau Elasticsearch Kibana
Hyperledger Fabric

CLIENT PROJECTS & EXPERIENCE

Client Data Pipeline Project

Music Streaming Analytics Platform

- Partnered with stakeholders across time zones to capture business needs and define KPIs.
- Engineered a real-time data pipeline with Kafka & PySpark, processing 1M+ events.
- Built predictive models with 0.82 F1-score; delivered insights via dashboards (Elasticsearch/Kibana).
- Reduced reporting time by 40% through automation and client-ready visualizations.

AI-Powered Recommendation Engine

Hybrid Recommendation System

- Designed and deployed a hybrid recommendation engine (collaborative + content-based).
- Improved accuracy by 25% across 10K+ user records; scaled for e-learning applications.

ACHIEVEMENTS

Top Performer

Ranked in top 10% in Machine Learning and Big Data courses at VIT

Workshop Leader

Conducted AI workshops for NGOs, teaching 200+ participants

Client Collaboration

Delivered actionable recommendations and maintained long-term client relationships

CERTIFICATIONS

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

LANGUAGES

English



Tamil



Hindi



German



CORE COMPETENCIES

- Working with US-based Clients & Time Zones
- Data Extraction, Validation & Modeling
- LLMs & Generative AI for Business Problems
- Quantitative & Qualitative Analysis
- Python, SQL, R for Data Analytics
- Workflow Systems, APIs & Screen Scrapers
- Client Presentations & Communication
- Excel & Google Sheets Financial Models
- Cross-functional Collaboration

EXTRACURRICULAR ACTIVITIES

- Delivered as Flask API; 90% client satisfaction through actionable, data-driven recommendations.

- Radio Club Event Coordinator - Organized technical and cultural events
- AI Workshop Facilitator - Conducted sessions on ML fundamentals
- Blood Donation Organizer - Managed logistics and promotion

Blockchain Solution for Pharma

Drug Traceability System

- Collaborated with clients to strengthen supply chain integrity.
- Developed Hyperledger Fabric prototype with smart contracts & QR-based tracking.
- Reduced counterfeit risks by 40% and enabled secure, auditable timestamped transactions.

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, Cloud Computing

Higher Secondary (12th)

Vellamal International School

⌚ 2019 – 2021

- Percentage: 90% | Stream: Computer Science

Secondary (10th)

Sigaram Matriculation School

⌚ 2018 – 2019

- Percentage: 91%