Venkatesh D
MSc. Data Science
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Coimbatore

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EDUCATION

Course	College/University	Year	CGPA/%
MSc. Data Science	Coimbatore Institute of Technology	2023-25	7.52(Till 5th semester)
Higher Secondary	Bala. Barathi. Matric. Hr. Sec. School	2021-23	90%

SUMMARY

Data professional with strong expertise in SQL, Python, and data analytics, transforming complex datasets into actionable business insights. Skilled in data modeling, EDA, and dashboard development, delivering data-driven solutions that support strategic decision-making.

PROJECTS

NETRATAX – Tax Fraud Detection using GNN   **LINK**
   Tools & Technologies: *Python, SQL, PyTorch, Flask, PostgreSQL*
- Engineered a data-driven fraud detection system analysing GST transaction networks to identify shell entities and circular trading patterns. Structured relational datasets and automated graph construction for scalable risk analysis.
- Built fraud risk scoring model achieving **87% accuracy with <5% false positives**.
- Delivered interactive dashboards enabling **risk-based prioritization and faster investigations**.

TRI-BIOMETRIX - Intelligent Multimodal Biometric Security System   **LINK**
   Tools & Technologies: Python, TensorFlow, OpenCV, Flask
- Implemented a multi-factor authentication system integrating face, voice, and gesture recognition. Applied deep learning models to enhance identity verification accuracy and system reliability.
- Improved system security by minimizing unauthorized access through layered biometric validation.

FoodBridge – Community Donation Platform   **LINK**
   Tools & Technologies: Power BI, DAX, Power Query, SQL, Excel
- Designed and implemented a data-driven food donation platform leveraging **multi-agent AI systems** for NGO discovery, food allocation optimization, and shortest-path route planning.
- Enabled real-time tracking, alerts, and efficient pickup coordination, significantly reducing food wastage and improving last-mile delivery efficiency.

INDUSTRY EXPERIENCE / FREELANCE PROJECT

Unirols Airtex – Web Development & AI Integration
   Architected a full-stack corporate website using React and Flask, structuring product data for improved navigation and customer engagement. Integrated an AI-based chatbot to automate product inquiries and enhance customer support efficiency.

SKILLS

Python, SQL | Data Modeling, EDA | Machine Learning | Power BI, DAX | PostgreSQL | Excel, Git | HTML, CSS, Flask, FAST API

ACHIEVEMENTS & CERTIFICATIONS

- ❖ **SMART INDIA HACKATHON 2025** - **Internal Hackathon winner**; recognized as top 50 teams.
- ❖ **TECH SCULPT PROJECT EXPO 2025, IEE STUDENT BRANCH** - **Winner,** awarded for excellence in technological innovation.
- ❖ **CIT SPARK GRANT 2025** - **Finalist**; pitched innovative project demonstrating impact and technical excellence.
- ❖ **ASTRANOVA HACKATHON 2026 (Dept of IT, CIT)** - **First Runner-up**, recognized for high-impact innovation.
- ❖ **THE BIG HACK 2025, AIT BANGALORE** - **Finalist**; selected among 6 teams from 82 initial teams, led a team of 4.
- ❖ Awarded the "**Service of Mankind**" honor by the Governor of Tamil Nadu for serving as Scout Captain for 2.5 years.

CO-CURRICULAR ACTIVITIES

1) **Secretary, 403Strats Club** – CIT, Coimbatore   [Apr '25 - Jun '26]
   Led a 20 - member team, organizing events and workshops that fostered collaboration and skill-building.
2) **Innovation Lead & Editor, Datalytics Club** – CIT, Coimbatore   [Apr '24 - Mar'25]
   Led creative projects and designed event posters using Canva to boost club visibility.