Madhu Sudhan Srinivas

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I've run day-to-day operations on busy front lines, and now I build data and AI tools. I'm looking for data and analytics roles in Ireland.

EDUCATION

MSc in Business Analytics (Computing) 2026 – present
Dublin City University, Dublin
Modules: Statistics; Visualisation & Communication (Power BI); Programming & Machine Learning (Python); Research Skills

BE Computer Science Engineering 2019 – 2023
DSATM, Bangalore

EXPERIENCE

Operations Executive (Customer Service), Thomas Cook (India) Limited Apr 2026 – Sep 2026
Bengaluru

- Answered customer queries and resolved booking issues in a busy, high-volume operations team.
- Found and corrected errors in booking records.
- Worked with teammates to keep daily operations running.

Operations Coordinator, Trip Factory Jul 2024 – Mar 2026
Bengaluru

- Handled customer onboarding and card payments, and resolved complaints in a high-footfall setting.
- Ran stock checks and inventory checkpoints.
- Compiled shift figures in tracking files so supervisors could plan the week.

Cafe Team Member, Amitri Cafe 6 months
Bengaluru

- Took orders and kept service moving at peak times.
- Kept to food hygiene standards.

PROJECTS

LLM Risk Register Benchmark · github.com/smadhu6364-beep/public-reproducible-benchmark
A benchmark study that evaluates three LLMs across three prompting strategies for automated risk-register generation. Inputs are real project planning documents from 21 World Bank and UK government sources. Reproducible pipeline with a strict no-leakage evaluation design, covered by 456 unit tests. Being prepared for an IEEE conference.
Python, LLM evaluation, Prompt engineering, Reproducible research

Irish property prices · github.com/smadhu6364-beep/irish-property-sql
Every residential sale on the Property Price Register from 2010 to October 2026, analysed in eight SQL files. The national median was €380,000 in 2025, up from €148,000 in 2013. Dublin's lead over the rest of the country has shrunk from 2.22 times to 1.49 times.
SQL, DuckDB, Python, pandas, matplotlib

CivicPulse · github.com/smadhu6364-beep/civicpulse
Take a photo of a local problem. Gemini Vision categorises it, scores its severity, works out which authority is responsible and drafts a complaint letter. Reports appear on a live community map.
React, FastAPI, Gemini Vision, Firebase, Leaflet

Roam · github.com/smadhu6364-beep/roam-travel · live demo
Front-end prototype for planning and booking trips. Flights and payments are scaffolded, not live.
Next.js 16, React 19, TypeScript, Tailwind

In-browser vision demos · github.com/smadhu6364-beep/aiml-project · live demo
A set of demos using BodyPix, Face Mesh, Handpose and COCO-SSD with TensorFlow.js and React. Everything runs client-side, no server needed.
TensorFlow.js, React, BodyPix, Face Mesh, Handpose, COCO-SSD

SKILLS

Data	Python, SQL, DuckDB, pandas, Advanced Excel, Power BI, Statistics, Data visualisation
Web	JavaScript, TypeScript, React, Next.js, FastAPI, Leaflet.js, Firebase
AI / ML	Gemini API, Prompt engineering, TensorFlow.js, LLM evaluation, Reproducible research
Tools	Docker, Git, GitHub Actions
Operations	Customer service, Query and complaint resolution, Records accuracy, Inventory checks, Shift reporting