

Tarun Theegela

✉ theegelatarun@gmail.com ☎ +1 (908)-963-2760 💻 Tarun Theegela 🌐 github.com/Ttheegela 🔗 taruntheegela.com

SUMMARY

MS Data Science student who builds and ships AI systems end-to-end - agent workflows, retrieval (RAG), evals, and tools people can use. Comfortable working with stakeholders, prototyping fast, and turning demos into usable products. Third place at Trace the Unseen: Climate Intelligence Build Day (Microsoft Garage, Climate Week NYC 2026).

EDUCATION

Rutgers University, *M.S., Data Science* 09/2024 – Present | New Brunswick, NJ
Bennett University, *B.Tech., Computer Science* 09/2020 – 06/2024 | Greater Noida, India

EXPERIENCE

Earth System Science and Policy Lab, Rutgers University 12/2025 – Present | New Brunswick, NJ
Graduate Research Assistant

- Built interactive dashboards for researchers to explore data from high-performance computing (HPC) runs.
- Helped the science team rework their internal codebase, improving team productivity by 30–35%.
- Optimized code that visualizes HPC output (.nc files) for FACTS, an open-source sea-level projection framework.
- **Tech-stack:** Python, BokehJS, Claude Code, xarray, NetCDF, CUDA, Slurm, Docker

VeilTrace, Trace the Unseen Hackathon (Climate Week NYC) 09/2026 | New York, NY
Product Builder, Hackathon Winner

- Named one of the winners for a one-day sanctions-evasion tracker that follows the product, buyer and route.
- Came up with the idea and built the knowledge graph linking 1,552 sanctioned ships to 1,513 US lobbying reports.
- **Tech-stack:** Python, Sayari and Tradeverifyd (MCP), Tavily, UN Comtrade, force-graph, CesiumJS, Vercel

Tech Mahindra, *Data Analyst Intern* 05/2023 – 06/2024 | Hyderabad, India

- Automated financial reporting for 3 FMCG product lines (Python, SQL): turnaround cut from 3 days to under 4 hours.
- Built 5 Tableau and Power BI dashboards giving cross-functional stakeholders real-time visibility into operational KPIs.
- **Tech-stack:** Python, SQL, PostgreSQL, Pandas, Tableau, Power BI

PROJECTS

VART 🔗, *AI Security Questionnaire Analyst* 09/2026

- Rebuilt a hackathon prototype solo into a live app that filled vendor security questionnaires from company documents, with a React console (column mapper, evidence drawer, xlsx export) and a NIST CSF 2.0 gap check.
- LLMs judged each passage's stance; deterministic code assigned labels, re-checked every cited quote, and flagged dated contradictions instead of guessing.
- CI-gated evals on dev and untuned holdout packs (label accuracy 0.93 / 0.85, citations valid 1.00, zero injections followed); Langfuse tracing; 1,900+ tests.
- **Tech-stack:** Python, FastAPI, PostgreSQL, React, TypeScript, OpenRouter, Presidio, Playwright, Vercel

PriorPath 🔗, *AI Medical Bill Auditor* 10/2026

- Built a live app that audited medical bills (FHIR or PDF) against CMS Medicare rules with six deterministic checks, explained findings with a LangGraph agent, and drafted dispute letters for human approval.
- Redacted PII before vision extraction; line F1 0.98, rule precision/recall 1.00, faithfulness 0.93; 450+ tests.
- **Tech-stack:** Python, FastAPI, LangGraph, OpenRouter, Presidio, PostgreSQL, React, TypeScript, Vercel

AURAAFIT 🔗, *Real-Time Video Outfit Analytics* 10/2026

- Designed the architecture of a one-day, 4-person hackathon app (VAST Data Builders, NYC) for street-video outfit analytics.
- Built the Next.js frontend: camera replay with labeled boxes, label search linked to source clips, and an analytics dashboard.
- Set up CI/CD: GitHub Actions build checks on pull requests, auto-deploy to auraafit.tech on Vercel, and uptime monitoring.
- **Tech-stack:** Next.js, TypeScript, Tailwind, GitHub Actions, Vercel

SKILLS

AI / LLM

- LangChain, LangGraph, LlamaIndex, RAG, agent workflows, LLM evals (LLM-as-judge), AWS Bedrock, OpenAI API

Backend

- Python, FastAPI, Flask, Docker, AWS (Lambda, DynamoDB, S3), PostgreSQL, Supabase, SQL, Git, HPC/SLURM

ML

- LightGBM, XGBoost, scikit-learn, Probabilistic UQ, Causal inference

Frontend

- React, TypeScript, Tableau, Power BI, CesiumJS, NetCDF