Nakul Jadeja

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Education

Stevens Institute of Technology — Hoboken, NJ
Master of Science in Computer Science — *Aug. 2025 – Dec. 2026 (Expected)*

Vellore Institute of Technology — Vellore, India
Bachelor of Technology in Computer Science — *July 2019 – April 2023*

Experience

Return on Creators — June 2026 – Sep. 2026
Data Engineering Intern — *Jersey City, NJ (Remote)*

- Developed and refined creator scoring logic powering how brands discovered and ranked creators, surfacing creator and campaign data from Supabase (PostgreSQL) in brand-facing self-serve views.
- Set up an isolated Supabase staging environment with a CI/CD flow, auto-syncing migrations from production for safe pre-release schema testing.
- Implemented Row-Level Security policies enforcing per-brand data isolation; cut Supabase query latency through indexing and query restructuring.

ExxonMobil Services and Technology Pvt Limited — July 2023 – July 2025
Data Engineer II — *Bengaluru, India*

- Engineered scalable ETL pipelines using Azure Data Factory and Databricks to ingest and transform data from diverse sources into Snowflake and Azure Data Lake Gen2.
- Led Hole Section Grading Project, integrating multi-source drilling data into standardised KPIs that reduced evaluation errors by 15%. Recognised with 2 leadership recommendation letters.
- Managed CI/CD lifecycle for data solutions, automating deployment workflows via GitHub and cutting deployment time by 82%.
- Delivered the Spotfire & Power BI reporting layer on top of these pipelines for Well Delivery/Servicing workflows, adopted by 200+ engineers and generating $5M in annual savings.

Regal Shipping Public Limited — Sep. 2021 – March 2022
Data Engineering Intern — *Kutch, India*

- Built SQL dashboards tracking fleet KPIs (fuel use, voyage duration, maintenance), improving compliance tracking by 20% and reducing vessel turnaround time by 12%.

Projects

Wayne Industries — Autonomous Portfolio Intelligence | *Python, Claude API, Supabase, React* — 2026

- Architected a six-agent autonomous pipeline (Analyst, Risk Manager, Allocator, Report Writer, Watchdog, Data Pipeline) ingesting OHLCV data, generating trade signals, and auditing itself end-to-end.
- Enforced hard portfolio constraints (position caps, risk-tiered cash floors 5–35%) in Python before invoking the LLM; built a React dashboard with a four-step Decision Trace panel for full allocation explainability.

RoCathon — 2nd Place | *TypeScript, PostgreSQL (pgvector), OpenAI Embeddings, BM25, Supabase* — 2025

- Won 2nd place building a hybrid creator search engine; engineered a 5-step ingest pipeline enriching 200 creator profiles with a 127-trait lifestyle taxonomy and 14 audience purchase-behavior signals.
- Designed dual-retrieval architecture (BM25 + cosine similarity over 1536-d embeddings) merged via Reciprocal Rank Fusion, ranked by a six-signal formula weighting relevance, 30-day GMV, and audience-brand fit.

Technical Skills

Languages & Scripting: Python, SQL, TypeScript, JavaScript, Shell/Bash
Data Engineering: Azure Data Factory, Databricks (PySpark), Apache Airflow, ETL/ELT, GitHub Actions CI/CD
Databases & Warehousing: Snowflake, PostgreSQL/Supabase, Azure Data Lake Gen2, SQLite, MySQL
BI & Analytics: Power BI, Spotfire, pandas, NumPy, scikit-learn, Matplotlib
Cloud & Tools: Azure, Docker, Vercel, Bloomberg Terminal

Certifications

Snowflake Data Engineering Professional Certificate — Coursera | Jun 2026
IBM Data Engineering Professional Certificate — Coursera | Mar 2026
Bloomberg Market Concepts (BMC) — Bloomberg | Oct 2026