

ANOUSHKA KANCHERLA

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Emerging data scientist and full-stack developer with hands-on experience building AI-powered systems, React applications, and production-ready data pipelines. Driven to deliver data-backed solutions that accelerate experimentation and support real-world decision-making.

EDUCATION

University of Texas at Austin Class of 2028 | Informatics, B.S., Human-Centered Data Science Track | GPA: 3.72

Certifications: Azure AI Fundamentals, Deep Learning Specialization, Machine Learning Specialization

New Tech High @ Coppell Class of 2024 | GPA: 4.126 (Weighted) | SAT: 1560 (Composite)

SKILLS

Programming Languages and IDEs: Python, JavaScript, SQL, R, Java, Visual Studio, Cursor

Databases & Data Systems: PostgreSQL, Supabase, MySQL, BigQuery, SQLAlchemy, ETL Pipelines

AI & ML: TensorFlow, scikit-learn, Neo4j (Cypher), LLM Orchestration, OpenCV

Web & Backend: React, Flask APIs, REST APIs, Figma Analytics & Visualization: Tableau, Looker Studio, Matplotlib

PROJECTS

Personal Research Assistant *personal-research-assistant.vercel.app* May 2026

- Built and deployed a full-stack AI research tool using the **Claude API**, streaming structured briefs from live web search via real-time NDJSON event routing
- Designed a **prompt-enforced source-confidence rating system** with per-finding reasoning transparency
- Integrated **Google OAuth and Drive API** for automatic brief persistence, cross-session recall, and audit logging

PulseAI Hook 'Em Hacks Hackathon April 2026

- Solo-built and deployed a **multi-agent Gemini pipeline** to classify health datasets, run statistical hypothesis testing, and generate plain-English patient briefs
- Engineered a health equity module, **responsive visualizations**, and **K-Means clustering** across 20 sex-stratified biomarkers

GraphBeat UT Austin Women in CS Hackathon February 2026

- Built an end-to-end **Graph-RAG app** using **Neo4j**, **Llama 3.3 (Grog)**, and **React** to deliver explainable music recommendations via song-relationship traversal
- Designed an optimized Neo4j schema via **neomodel OGM**, enforcing data integrity across a multi-node graph
- Developed a **responsive React (Vite) interface** with a multi-stage status stepper to visualize the Graph-RAG pipeline