

TANISHQ KALRA

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [HackerRank](#)

PROFILE

Computer Science undergraduate specializing in data analytics — Python, SQL, and Excel for data extraction, cleaning, and analysis, with hands-on experience building risk models, ETL pipelines, and client-ready dashboards. Skilled at segmenting data (financial filings, audience data, sales data) into actionable business insights. Ranked top 14 nationally out of 500+ teams at IIT Bombay's live case competition; 5-star SQL rating and Advanced SQL certification on HackerRank.

TECHNICAL SKILLS

Querying & Programming: SQL, Python, R, Java

BI & Reporting: Power BI (DAX, Power Query), Microsoft Excel (Pivot Tables, VLOOKUP/XLOOKUP, INDEX-MATCH), Google Sheets, Plotly, Streamlit

Data Analysis & Modeling: Statistical Analysis, Monte Carlo Simulation, Predictive & Financial Risk Modeling, Segmentation Analysis, Data Cleaning & Validation, A/B-style comparative analysis

Data Engineering & AI: ETL Pipeline Development, REST APIs, FastAPI, Google Gemini API (prompt engineering), NLP Sentiment Analysis (TextBlob), Git/GitHub

EDUCATION

B.Tech, Computer Science & Engineering — Vellore Institute of Technology (VIT-AP)

Expected May 2027

CGPA: 8.32/10.0 | Relevant Coursework: Database Management Systems, Data Structures & Algorithms, Operating Systems, Computer Networks

DATA ANALYTICS PROJECTS

Alpha Guard — Credit Risk Analytics Platform [\[Live Demo\]](#)

Mar 2025

Python · FastAPI · SEC EDGAR · Monte Carlo Simulation · Google Gemini AI

- Built a quantitative credit-risk scoring model (Altman Z-Score) and 1,000-path Monte Carlo simulation from scratch in Python to segment companies into Safe/Grey/Distress risk bands for stakeholder decision-making.
- Designed and automated an ETL pipeline to extract, validate, and normalize SEC EDGAR financial filings into analysis-ready datasets, replicating a real extraction-to-insight analytics workflow.
- Integrated the Gemini LLM API with structured prompts and exception handling to auto-generate plain-language risk summaries from unstructured financial data, translating raw numbers into business-ready insights.

TubeRadar — Audience Sentiment & Segmentation Analytics [\[GitHub\]](#)

Jan 2026

Python · Streamlit · TextBlob (NLP) · Plotly · YouTube Data API v3

- Built a Python/Streamlit analytics pipeline over the YouTube Data API to process 1,000+ comments per query and segment audiences by sentiment (positive/neutral/negative), answering real audience-insight business questions.
- Designed interactive Plotly dashboards for sentiment distribution, engagement, and keyword frequency, enabling non-technical stakeholders to compare audience segments side by side — mirroring commercial segmentation reporting.
- Automated concurrent multi-video data extraction to cut manual analysis time and deployed the tool on Streamlit Cloud for real-time stakeholder access.

Healthcare Sales Analytics Dashboard — Excel & Power BI [\[GitHub\]](#)

Jul 2026

Excel · Power Query · Pivot Tables · Power BI · DAX

- Cleaned and transformed 5 years (2014–2019) of weekly pharmaceutical sales data using Power Query, mapping drug categories via VLOOKUP and building Excel pivot tables/charts for category, monthly, and yearly trend analysis.
- Built an interactive Power BI dashboard with DAX-based KPI measures and drill-downs, surfacing the top-performing drug category and peak sales year to support business reporting decisions.

CERTIFICATIONS

HackerRank — SQL (Advanced) Certification (Jul 2026) | **AWS Academy — Cloud Architecting, Graduate Badge** (Oct 2025)

Deloitte Australia — Data Analytics Job Simulation (Forage) (2026) | **iamNeo — Full Stack Java, High Performing Coding** (Feb 2025)

Verify all: [Certificate Folder \(Google Drive\)](#)

LEADERSHIP & CLIENT-FACING EXPERIENCE

Vice President — Comedy Club, VIT-AP

Dec 2024 – Jan 2026

- Directed a 50+ member team and presented structured process improvements to stakeholders, growing event attendance 40% across events drawing 500+ participants.

Marketing Co-Lead — Entrepreneurship Club, VIT-AP

Sep 2024 – Sep 2025

- Analyzed campaign performance data and maintained relationships with cross-functional stakeholders (sponsors, startups, student bodies), increasing registrations by 35%.

ACHIEVEMENTS

- Ranked top 14 nationally out of 500+ teams at NEC, IIT Bombay — solved data-driven business problems end-to-end under time-boxed, competitive conditions.
- 5-Star SQL Rating on HackerRank — advanced proficiency in complex joins, window functions, and query optimization.