**venkatasaikumarerla** | New York, NY | +1-203-627-5831 | venkatasaikumarerla@gmail.com | LinkedIn: https://www.linkedin.com/in/venkata-sai-kumar-erla-327155263/

**SUMMARY**

Graduate student focused on data analytics & ML for healthcare. Strong in SQL and Python (pandas, numpy).

**SKILLS**

Python, SQL, Pandas, NumPy, scikit-learn, PySpark

**RELEVANT PROJECTS**

**Sparkify Churn Prediction (PySpark)**

* Processed 12M events in PySpark; engineered session features; trained GBM/LogReg (+9% AUC).
* Productionized ETL & data quality checks; delivered churn cohort dashboards.

**Clinical Trial Matcher (NLP)**

* Built NLP pipeline (spaCy + regex) to normalize trial criteria; improved match precision by 18%.
* Parsed 5k+ trial records; engineered keyword/semantic features; exported ranked matches.

**EMG Signal Analysis**

* Filtered EMG (band-pass/notch); extracted RMS/MAV/ZCR for gesture classification.
* Automated visualization & reports; improved feature stability across sessions by 11%.

**EDUCATION**

**NYU – M.S.** — 2024–2026

Keywords: +, -, 000, 1, 100, 12, 2, 230, 401k, 930, ability, able, about, academic, accepted, accomplished, accordance, accounting, accounts, accuracy, accurate, across, actionable, actively, actuals, adapt, address, adherence, administer, advanced, advantage, against, age, agreement, ai, alert, algorithms, aligning, all, along, already, also, ambitious, analysis, analyst, analytical, analyzing, annual, answer, any, anywhere, applicants, application, applications, apply, approach, approval, are, areas, assignments, assistance, attach, audit, audits, autofill, automated, automating, awesome, b, bachelor, back, background, backgrounds, bar, base, based, be, behaviors, being, belief, believe, below, benefits, bereavement, better, beyond, bonus, bonuses, both, breathe, bring, broad, budget, building, bu