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**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%.
* Wrote modular Python with type hints & tests; reduced pipeline bugs.
* Built SQL joins/window functions; cut report runtime by 35%.

**EDUCATION**

**NYU – M.S.** — 2024–2026

Keywords: #, +, -, 000, 1, 105, 120, 130, 2, 3pm, 401k, 6pm, 8am, ability, able, about, accepted, achieve, achieving, across, activities, ad, adapt, additional, address, administrative, adopt, adoption, advanced, after, agreed, ai, alert, all, already, am, amazing, ambitious, analyses, analysis, analyst, analytic, analytics, analyze, analyzing, any, anywhere, applicants, application, apply, applying, appreciate, are, around, assess, associated, attach, attendance, audiences, authorized, autofill, autonomy, avoid, awareness, b, back, backgrounds, balancing, base, based, be, believe, benchmarks, benefits, better, between, beyond, big, black, born, both, build, building, but, california, can, capabilities, care, career, case, cases, central, certain, challenges, claims, class, clear, clinical, clinicia