

# RAJVEER KHOSA

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## EDUCATION

### California State University, Bakersfield

Bakersfield, CA

*Bachelor of Science in Computer Science*

*Aug. 2022 – June 2026*

- Organizations: Helen Hawk Honors, CSUB Computer Science Club, Software Engineering Club

## WORK EXPERIENCE

### LKMP Properties LLC

June 2024 – Present

*Software Engineer*

*Bakersfield, CA*

- Architected a Python ETL that authenticates to a vendor portal, scrapes station KPIs (weekly gallons, lottery), validates with pandas, and writes multi-sheet Excel workbooks aligned to finance templates.
- Abstracted data mapping & templating so new stations/markets onboard with config-only changes; versioned JSON configs enable same-day rollouts.
- Hardened the pipeline with idempotent writes, retries, and structured logs; scheduled via Windows Task Scheduler with failure/timeout alerts and run-history audits.
- Standardized KPIs & cadence with ops/finance; authored SOPs, trained staff, and reduced spreadsheet errors while accelerating weekly close.

## PROJECTS

### LeetRizz | *SwiftUI (MVVM), FastAPI (Python), PostgreSQL, Claude API*

Sept. 2025 – Present

- Texting-practice + Daily Duel: users craft replies, receive a subtext-aware rubric (wit, boldness, relevance, specificity) with concise tips; A/B crowd voting drives ELO rankings.
- Safety gate with reasons and safe rewrites; policy blocks slurs, minors, explicit asks; stage/vibe style guide keeps replies edgy yet respectful.
- Lean backend: single JSON-mode scoring call with cache, rate-limit, and hash dedupe; typed APIs `/score`, `/duel/submit`, `/duel/vote`, `/leaderboard`; unit-tested ELO.
- SwiftUI client with streaks, offline history, share cards, and debounced networking; season leaderboards and judgecrowd correlation metrics.

### Lyrics Translation | *Django, Python, PostgreSQL, Tailwind CSS, JavaScript* (musiclyrics.dev) Aug. – Sept. 2025

- Launched a production site with side-by-side Punjabi, Romanization, English lyrics; grew to 100+ weekly active users, indexing 100+ songs and 20+ artists.
- Full-text search across titles, artists, albums, and lyric lines; engagement features include ratings, comments, favorites, Top Charts.
- Normalized schema and optimized Django ORM (`select_related/prefetch_related`); secure auth and CSRF/XSS protections; responsive Tailwind UI.
- Private `/stats` dashboard (WAU/MAU, retention, traffic, top content) to drive content and product roadmap.

### SSCS Sales Data Automation Tool | *Python, Selenium, pandas*

April 2025

- Automated SSCS portal logins and report downloads with Selenium; processed 25–30 Excel files weekly.
- Transformed data with pandas to match internal sheets with 100% accuracy.
- Cut weekly reporting from 4h to <10m; modular scripts add new report types in <30m.
- Added headless runs, secrets management, and configurable schedules to improve reliability and simplify handoffs.

### DreamSync: Sleep Health Tracking Portal | *SQL, Svelte, JavaScript, HTML/CSS*

Jan. 2025

- Full-stack app for doctors and patients to track sleep quality, medications, and polysomnography.
- Role-based access control: doctors analyze/update data; patients read-only.
- Normalized SQL schema for patient records and sleep metrics; rebuilt UI for responsiveness and clarity.
- Added trend charts and exportable reports to support clinician decision-making and patient follow-ups.

## TECHNICAL SKILLS

**Programming Languages:** Swift, Python, TypeScript, C++, JavaScript, SQL, HTML/CSS

**Libraries/Frameworks:** SwiftUI, Django, FastAPI, Tailwind CSS, Bootstrap, pandas, Selenium, jQuery, OpenAI/Claude API

**Tools & Technologies:** Git/GitHub, Docker, PostgreSQL, MySQL, Node.js, Xcode, GitHub Actions, Render

**Operating Systems:** Windows, macOS, Linux