# Liam Shaw

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## Profile

B.Sc. (Hons) Computer Science (Minor: Business Analytics) student with hands-on experience in product analytics, CRM implementation (CleverTap), data cleaning, and campaign automation. Seeking data-driven product or analytics roles.

## Education

**B.Sc. (Hons), Computer Science — Minor in Business Analytics**, Flame University, Pune, India *2022 – Present* — Full Scholarship
**ISC (Class 12)**, La Martiniere for Boys, Kolkata, India *2022* — 95%
**ICSE (Class 10)**, La Martiniere for Boys, Kolkata, India *2020* — 92.4%
**SAT**, *1540 / 1600 (99th percentile)*

## Technical Skills

Languages & Tools: Python, Java, C, C++, JavaScript, SQL, HTML, CSS, Git, GitHub, Docker, Maven, React, Node.js
Frameworks & Data: Spring Boot, Flask, PostgreSQL, pandas, numpy, scikit-learn, Matplotlib, XGBoost
Other: CleverTap, Jira, FuzzyWuzzy, Excel, Bubble.io

## Experience

**Analytics & CRM Intern — ACEplus (Derek O'Brien & Associates)** — May 2025 – Jul 2025
• Designed and rolled out a Zone_Module_Action event naming convention; identified 50+ inconsistent event keys to enable reliable reporting (CleverTap).
• Authored a 50+ event proposal and 3-phase migration plan (events, trigger points, properties); validated implementations with demo campaigns in dev CleverTap.
• Automated data cleaning with Python (FuzzyWuzzy) to standardize school names and improved accuracy of weekly registration lists used by coaches.
• Analyzed user cohorts (May vs June) and found workshop-driven users earned ≈2x the in-app points of organic installs, informing engagement strategy.

**Software Intern — Mandrake Tech, Pune (Full-stack)** — Oct 2024 – Jan 2025
• Built a Dockerized URL-shortener with Spring Boot and PostgreSQL, including user authentication and Maven builds.
• Integrated frontend HTML/CSS with REST APIs and used Docker to eliminate environment inconsistencies.

**Software Tester & Developer Intern — Willwali (remote)** — May 2024 – Jul 2024
• Developed CRUD microservices using Flask and Jinja; wrote 50+ unit tests with unittest/pytest (90%+ coverage).
• Found and fixed 30+ bugs in a Bubble.io demo app; implemented Git workflows (branching, PRs) to improve team collaboration.

## Selected Projects

**Employee Churn Prediction (ML) — 2024**
• Trained Decision Tree, Random Forest, KNN, AdaBoost & XGBoost; Random Forest achieved ROC-AUC 0.98 and F1 0.94.

**Employee Salary Prediction — 2024** — Feature engineering and model comparison (Linear Regression vs Random Forest); RF gave best performance.

**Expense Reporting System (Python + SQLite CLI) — 2025** — Built Python + SQLite CLI supporting login, role-based access, CSV import/export, budgets, and Matplotlib reports.

**Youth Tobacco Survey Analysis — 2023**
• Processed survey data (1999–2017), visualized trends with pandas & Matplotlib, and predicted 2018–2022 values via linear regression.