

BIRADAR SRIKANTH

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EDUCATION

MLR Institute of Technology (MLRIT), Hyderabad Sep 2023 – Jun 2027
Bachelor of Technology in Computer Science and Information Technology CGPA: 8.63

SKILLS

Languages: Java, Python, C++, SQL, JavaScript
Backend & Spring: Spring Boot, Spring Core, Spring MVC, REST APIs, Microservices
Frameworks & Libraries: ReactJS, NodeJS, FastAPI, PyTorch, Scikit-learn
Databases: MySQL, MongoDB
DevOps & Tools: Git, GitHub, Maven, AWS
Relevant Coursework: OOP, Data Structures & Algorithms, SOLID Principles, DBMS, OS

TECHNICAL PROJECTS

Fairness-Checker | *Java, Spring Boot, Spring MVC, FastAPI, REST APIs* [View Project](#)

- Built a DevSecOps platform using **Spring Boot** + **Spring MVC** with REST controllers and layered service architecture following **OOP/SOLID** principles; tracks SRE on-call fairness via Gini coefficients.
- Integrated AST/CST static analysis (JavaParser, Tree-sitter) into CI/CD pipelines to flag code-quality violations at commit time, reducing manual review overhead.
- Deployed a **FastAPI** microservice communicating with the Spring Boot backend over REST for Python-native ML scoring; services independently deployable and version-controlled on **Git**.
- Designed a role-based access model for engineer/manager/admin views; enforced via Spring Security filter chain with stateless JWT authentication.

Transaction Reconciliation Engine | *Java, SQL, OOP* [View Project](#)

- Designed a normalised **MySQL** schema detecting 3 discrepancy types (amount mismatch, duplicate, missing entry) across 5K+ transactions per run.
- Built modular Java components — parser, validator, resolver — using **OOP** and the Strategy pattern, enabling plug-in rule extensions without modifying core logic.
- Automated resolution of **95%** of flagged records via configurable tolerance thresholds, cutting manual auditor workload from hours to minutes.
- Wrote parameterised SQL aggregation queries for audit-trail reports grouped by date, counterparty, and discrepancy type.

Customer Churn Prediction System | *Python, SQL, Scikit-learn* [View Project](#)

- Built an end-to-end ML pipeline on 10K customer records covering ingestion, feature engineering, model training, and evaluation using **Scikit-learn**.
- Optimised **SQL** aggregation queries for feature extraction (tenure buckets, usage ratios, billing patterns), cutting preprocessing time by **40%**.
- Applied SMOTE oversampling and threshold tuning to reduce false-negative rate by **15%**, raising model accuracy to **82%** (Random Forest, cross-validated).
- Exposed predictions via a lightweight **FastAPI** endpoint, enabling CRM dashboard integration for real-time churn scoring.

CERTIFICATIONS

Applied Data Science with Python, Level 2 | IBM [View Certificate](#)
Programming with Generative AI | NPTEL [View Certificate](#)
Data Analytics Essentials | Cisco Networking Academy [View Certificate](#)

EXPERIENCE

Club Literati, MLRIT Hyderabad, India
Logistics Associate 2024 – Present

- Managed end-to-end inventory planning and procurement for 10+ annual events, maintaining **98% stock accuracy** across all engagements.
- Coordinated cross-functional communication between sponsors, vendors, and internal teams, contributing to a **30%** increase in sponsorship acquisition year-on-year.
- Streamlined logistics workflows via a shared tracking system, reducing last-minute procurement issues by **40%**.
- Mentored two junior associates in inventory processes and stakeholder communication, improving handover efficiency for recurring events.

ACHIEVEMENTS & ENGAGEMENTS

TEDx MLRIT 2024 | Core organizer for a licensed TED event attended by **150–200 members**; led end-to-end planning, speaker coordination, and on-ground execution.

Hackathon – 2nd Place | Secured **Second Place** at Metaloop 2023, a 24-hour AR/VR hackathon at MLRIT; delivered a full prototype under strict time constraints.