

Harsith Reddy Karne

(425) 500-9089 • harsithkarne@gmail.com • <http://www.linkedin.com/in/harsith-karne> • [Portfolio](#)

TECHNICAL SKILLS

- **Programming & Scripting:** Python (Scikit-learn, Pandas, NumPy), R, SQL
- **Databases & Storage:** PostgreSQL, MySQL, SQL Server, RedShift, BigQuery, Data Warehousing
- **ETL & Automation:** ETL Pipeline Development, Power Automate, Apache Airflow, Azure Data Factory
- **BI & Visualization:** Tableau, Power BI, Excel (PivotTables, Advanced Functions)
- **Cloud Platforms:** AWS (S3, EMR, EC2, RDS), Azure
- **Machine Learning:** Predictive Modeling, Regression, Classification, Customer Segmentation (RFM)

WORK EXPERIENCE

Leftover Love, Inc.

Oakland, MD

Data Analytics Engineer Intern

January 2025 - Present

- Conducted comprehensive data infrastructure assessment across 10+ disparate sources, identifying fragmentation issues that delayed strategic planning cycles by 3+ weeks.
- Engineered a centralized ETL pipeline using **Python** and **SQL** to automate data ingestion and validation, consolidating all data sources into a unified relational database.
- Streamlined reporting by deploying an interactive **Power BI** dashboard with real-time KPI tracking, reducing report generation time from 3 weeks to 2 hours and enabling 25% faster strategic decision cycles.

AICTE (All India Council For Technical Education)

Hyderabad, TG, India

Data Engineer

May 2023 – July 2024

- Diagnosed severe system bottlenecks in legacy infrastructure that could only handle 1,000 concurrent users, causing frequent outages during peak exam periods and impacting service availability.
- Engineered a scalable data processing pipeline on **AWS**, leveraging **PySpark** for efficient transformation of 10K+ student records and utilizing **S3** for reliable data storage.
- Improved system capacity by 400% to support 5,000 concurrent users, reduced critical downtime from 2 hours to under 20 minutes, and slashed annual operational costs by 80%.

Palo Alto Networks

Hyderabad, TG, India

Data Analyst Intern

March 2022 – May 2022

- Identified inefficiencies in manual security log reviews, which required over 6 hours weekly to parse 50,000+ logs and delayed threat response times.
- Developed a predictive model using **Python (Scikit-learn, Pandas)** to automatically classify security threats from raw log data with 95% accuracy.
- Produced automated **Tableau** dashboards visualizing threat trends in real-time, which reduced manual review time by 90% and supported a successful \$500K security investment contract.

PROJECTS

AI-Powered Natural Language to SQL Analytics Platform | **Python, Gemini LLM, Streamlit, PostgreSQL** | [GitHub](#)

- Identified a business challenge where non-technical stakeholders faced significant delays in receiving data insights, impacting timely decision-making.
- Developed an automated reporting tool using Python that generates and executes SQL queries against a PostgreSQL database, reducing analytics request time from 3 days to under 5 minutes.

NBA Game Demand & Dynamic Pricing Recommender | **Python, Pandas, SQL** | [GitHub](#)

- Developed a machine learning pipeline in **Python (Scikit-learn, Pandas)** to predict NBA game attendance by engineering 18 predictive features from over 30,000 historical game records.
- Implemented a Random Forest regression model achieving a 81.2% R² score and built a dynamic pricing engine demonstrating a potential revenue increase of up to 15% through optimized ticketing strategies.

NFL Stadium Revenue Analytics Platform | **BigQuery, SQL, Excel, Tableau, Python** | [GitHub](#)

- Analyzed strategic revenue optimization gaps where professional sports organizations lacked comprehensive premium seating performance analytics, preventing data-driven pricing strategies.
- Architected integrated strategic analytics infrastructure using **BigQuery** and **Tableau** dashboards, revealing key performance factors enabling top venues to generate \$250K more in annual premium revenue through strategic positioning.

EDUCATION

University of Maryland, Robert H. Smith School of Business

College Park, MD, USA

Master of Science, Information Systems, 3.82 GPA

Expected May 2026

- 3rd Place, AI in Business Case Competition

Osmania University

Telangana, India

Bachelor of Engineering, Computer Science

- Vice President, Digital Strategy - Street Cause Hyderabad