

SKILLS

- **Languages** : Python, SQL, Java, HTML, CSS, JavaScript, Elastic Search Query, C
- **Frameworks** : Numpy, Pandas, Scikit Learn, XGBoost, Spring Boot, Marionette.js, Backbone.js, Webpack, Three.js, JUnit
- **Data Analysis & Visualization** : Machine Learning, Linear Regression, Logistic Regression, K-Means Clustering, Descision Trees, Statistics (Descriptive, Inferential and Hypothesis Testing), Random Forest, A/B Testing, SVM, Tableau, Kibana Visualizations
- **Other Skills** : Dockerization, Perforce/GitHub, Jenkins, AWS

EXPERIENCE

FullStack Engineer

Jan 2021 - Present

ESKO Graphics Private Ltd.

Bangalore, India

- Migrated core calculation modules to the cloud using a Microservice-based Architecture, achieving over 50% user adoption and significantly enhancing platform accessibility.
- Engineered and implemented robust unit tests, boosting calculation algorithm accuracy by 90% and enhancing overall system stability.
- Spearheaded the development of Prime Feature, delivering critical functionality independently and accelerating project timelines by 20%.
- Developed automated pipelines to fetch Veracode and SonarQube metrics, streamlining DevSecOps processes and optimizing over 80% of microservices.
- Created Kibana visualizations and integrated Elasticsearch to analyze user logs, reducing bug detection time by 30%.
- Mentored junior developers and actively participated in system design, ensuring smooth integration of backend services and UI components.

PROJECTS

Automated Code Quality & Security Reporting System

- Engineered an automated Jenkins pipeline to retrieve SonarQube/Veracode metrics, reducing manual code audit efforts by over 70%.
- Implemented delta analysis and structured email reporting, enhancing DevSecOps visibility across 80% of cloud-hosted microservices.
- Facilitated faster identification of quality and security score drops, empowering teams to proactively maintain code health.

End-to-End Data Science Case Studies: Insights Across E-Commerce, Entertainment & More

🔗 <https://github.com/aravinthvr/dsml-business-case-studies>

- Conducted 10 data-driven case studies across various sectors, enhancing targeting and operational efficiency by 10-20% using Python and SQL.
- Developed high-performing predictive models for driver churn (93.8% F1, 96.3% ROC-AUC) and loan default (90% ROC-AUC), significantly reducing retention costs and credit risk.
- Engineered delivery data features, uncovering 15-25% time estimation discrepancies and identifying spending patterns that revealed 10-15% higher expenditure among specific demographics.
- Applied clustering techniques to segment learners into 5 distinct personas, facilitating targeted curriculum development and compensation strategies.

Interactive Tableau Dashboards: Superstore & HR Analytics

🔗 <https://public.tableau.com/app/profile/aravinthaprasath.venkataramanan/vizzes>

- Designed and implemented interactive dashboards using Tableau, enhancing strategic reporting efficiency by 30% and providing actionable insights.
- Analyzed extensive datasets exceeding \$2.3M in sales and over 18K employees, uncovering trends that informed critical data-driven decisions.
- Streamlined data visualization workflows, cutting report generation time by 25% and expediting stakeholder decision-making processes.

ACHIEVEMENTS

- Recognized as Outstanding Contributor of the Year (2023) and consistently received the Spot Award (Extra-Mile Award) for three consecutive years.
- Received Special Recognition for an innovative idea in the Company's Contest and was a nominee for the Rookie Award.

EDUCATION

Scaler

2025

Specialized in Data Science & Machine Learning

Sri Ramakrishna Engineering College

2021

BE/B.Tech/BS in Electronics | 8.49 CGPA

Awarded the Abaram Award (College-Wide Recognition) for Outstanding Academic Performance (2021)