

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

Software Engineer - Full Stack

Jul 2021 - Present

Esko Graphics Private Ltd.

Bangalore, India

- Migrated core calculation modules to the cloud using microservices, increasing platform accessibility with 50%+ user adoption.
- Boosted algorithm stability by 90% through comprehensive unit testing and performance validation.
- Delivered Prime Feature independently, accelerating project timelines by 20%.
- Automated Jenkins pipelines to fetch SonarQube & Veracode metrics, optimizing DevSecOps for 80%+ microservices.
- Designed Kibana visualizations integrating Elasticsearch to analyze logs, reducing bug detection time by 30%.
- Mentored juniors and contributed to backend and UI system design for smooth integration.

Software Development Internship

Jan 2021 - Jul 2021

Esko Graphics Private Ltd.

- Developed applications from scratch using C, Java, NodeJS, and JavaScript, enhancing system architecture and logical problem-solving to achieve 90% understanding of core programming fundamentals.
- Architected and launched an end-to-end food delivery app on EC2, managing backend, database, and user flow to provide 60-70% practical exposure to system design concepts.

PROJECTS

Automated Code Quality & Security Reporting System

- Orchestrated an automated Jenkins pipeline to retrieve SonarQube/Veracode metrics, reducing manual code audit efforts by 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 consistently maintain code health.

Application Enhancements & Intelligent Features

- Launched an in-app feedback system and interactive onboarding tour, increasing user satisfaction and adoption by 20%.
- Devised drag-and-drop report template builder and KNN recommender, boosting engagement and cutting repetitive tasks 25%.
- Automated 3D component segmentation for COLLADA (.dae) files, significantly improving intelligent 3D object interaction.

Data Science & Analytics Projects

End-to-End Case Studies | E-Commerce, Entertainment, FinTech

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

- Conducted 10+ domain-specific case studies using Python and SQL, driving 10–20% efficiency improvements.
- Built predictive models (e.g., 93.8% F1 for driver churn, 90% ROC-AUC for loan defaults), optimizing retention and credit risk.
- Generated delivery data features, revealing 15–25% ETA errors and 10–15% spending disparities by demographic.
- Applied clustering to segment learners into 5 personas, aiding in curriculum and compensation design.

Interactive Dashboards | Tableau

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

- Crafted dashboards for Superstore & HR analytics, improving reporting speed by 25–30% and surfacing \$2.3M+ in sales insights.

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

Pursuing MS in Computer Science (accredited by Woolf University via Scaler Neovarsity)

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)