ARYA SUKU

MSc Computer Science (Data Analytics) · Google Cloud Certified · Aspiring Data Analyst

aryasuku03@gmail.com
+91 8891566801
linkedin.com/in/arya-suku
github.com/arya-suku

PROFESSIONAL SUMMARY

Analytical **MSc Computer Science (Data Analytics)** candidate at Digital University Kerala and **Machine Learning Intern** at **Valentius Kryptix**, Google Cloud Data Analytics certified. Skilled in **Python, SQL, Pandas, NumPy, Matplotlib, Scikit-learn**, exploratory data analysis (EDA), statistical analysis, and predictive modeling. Experienced in preprocessing datasets, validating regression and classification models, and documenting analytical findings on GitHub for **Data Analyst**, **Junior Data Analyst**, and **Data Science / BI Intern** roles.

PROFESSIONAL EXPERIENCE

Machine Learning Intern
Nov 2026 – Present

Valentius Kryptix

Tech: Python, NumPy, Pandas, Matplotlib, Scikit-learn, Exploratory Data Analysis (EDA), Linear Regression

- Performed data preprocessing, cleaning, and exploratory data analysis (EDA) on the California Housing dataset using **Pandas**, **NumPy**, and **Matplotlib** to uncover feature relationships and trends.
- Implemented simple and multiple linear regression models from scratch in **Python** and **NumPy** to build end-to-end predictive modeling workflows.
- Documented technical implementations, analytical methodology, and findings via **GitHub** and technical blogs.

PROJECTS

Human Activity Recognition from Smartphone Sensors
Mar – May 2026

Digital University Kerala

Tech: Python, Scikit-learn, Time-Series Analysis, Feature Engineering, SVM, Random Forest, LSTM

- Built a multi-class activity classifier (walking, sitting, running) using smartphone accelerometer and gyroscope time-series data by extracting time-domain and frequency-domain features.
- Trained and benchmarked **SVM**, **Random Forest**, and **LSTM** models evaluated via **Precision, Recall, and F1-Score** for healthcare monitoring and fitness tracking insights.

Federated Learning for Privacy-Preserving Skin Lesion Classification
Oct 2026

Digital University Kerala

Tech: Python, PyTorch, Matplotlib, Non-IID Data, Model Evaluation, Transfer Learning (MobileNetV2)

- Simulated heterogeneous hospital data on the **HAM10000** dataset using Dirichlet-based Non-IID splits in **PyTorch**, comparing **FedAvg** and **FedProx** on pretrained **MobileNetV2** across communication rounds.
- Built a centralized baseline and evaluation pipeline (train/validation/test splits, JSON metric logging, and **Matplotlib** accuracy/loss plots) to benchmark distributed vs. centralized training.

TECHNICAL SKILLS

Programming:	Python, SQL, Java, C++
Data Analysis & Stats:	Data Analysis, Exploratory Data Analysis (EDA), Statistical Analysis, Time-Series Analysis, Feature Engineering, Anomaly Detection, Big Data Analytics
Data Tools & Viz:	Pandas, NumPy, Matplotlib, Seaborn, Data Visualization, Jupyter Notebook
Machine Learning:	Scikit-learn, Linear Regression, Logistic Regression, Random Forest, SVM, LSTM, Model Evaluation (R^2, Precision, Recall, F1-Score), PyTorch
NLP, Cloud & Tools:	TF-IDF, BERT, DistilBERT, Text Preprocessing, Git, GitHub, Google Cloud Platform (GCP)

EDUCATION

MSc Computer Science – Data Analytics (Specialization) — Digital University Kerala — *Jul 2025 – Jun 2027 (Expected)*

Bachelor of Computer Applications (BCA) — Mahatma Gandhi University — *Jun 2020 – Mar 2023*

Diploma in Data Science — Luminar Technolab, Kochi — *May 2023 – Feb 2024*

CERTIFICATIONS

- Google Cloud Data Analytics Certificate — Google
- Google Cloud Career Launchpad – Data Analytics — Google
- Big Data Analytics & Data Science — Luminar Technolab
- Introduction to Git & GitHub — Google / Coursera
- NCTT — Luminar Technolab
- ACCESS TO PROMPT – IEEE, Digital University Kerala
- Ideathon: Idea for Impact — Innovation Mela 2025

LANGUAGES

English – Proficient | **Malayalam – Native**