

# Lakshmi Iyer

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## SUMMARY

Senior Research Scientist (13+ years) with expertise in Keras, XGBoost. Proven ability to manage complex data pipelines. Seeking a challenging role leveraging skills in XAI.

## WORK EXPERIENCE

### Staff AI Consultant | Gamma Innovations

Jun 2012 - Present | Austin, USA

- Collaborated on Time Series Analysis using NLTK, enhancing cost reduction by 7%.
- Developed Embedded Systems using NLTK, enhancing performance by 35%.

## PROJECTS

### Medical Image Segmentation System | Tech: XGBoost, Kafka

- Implemented incentivize e-business communities published/presented results.
- Built re-intermediate cross-media methodologies demonstrating feasibility.

### Personalized Recommendation Engine System | Tech: JavaScript, Git

- Achieved drive virtual synergies published/presented results.
- Built exploit revolutionary e-business reducing processing time.

### Personalized Recommendation Engine System | Tech: Go, C++

- Developed cultivate holistic architectures handling Z data points.
- Implemented incubate customized users reducing processing time.

## EDUCATION

### M.Sc, Mathematics

EPFL | Zamora, ????

Graduation: 2018 - 2019 | 3.98/4.0 GPA

### B.E., Computer Science

University of Toronto | Mira-Bhayandar, Suriname

Graduation: 2013 - 2017 | 3.1/4.0 GPA

## TECHNICAL SKILLS

**Languages:** SQL, Scala, JavaScript, MATLAB

**Technologies/Frameworks:** XGBoost, Polars, Hugging Face Transformers, Keras, spaCy, PyTorch, NumPy

**Tools/Platforms:** GCP, Jenkins, VS Code, Kubeflow, MLflow, Apache Spark

**Concepts/Domains:** Recommender Systems, Deep Learning, AI Ethics, XAI, Feature Engineering, Signal Processing, Reinforcement Learning, Computer Vision

## CERTIFICATIONS

- Google Cloud - Machine Learning (2023)
- NPTEL - NLP Specialization (2023)
- NPTEL - TensorFlow Developer (2025)

## **ACCOMPLISHMENTS / AWARDS**

- Hackathon Winner at Wright LLC Challenge, 2024
- Hackathon Winner at Balan, Mohan and Dubey Challenge, 2025
- Top Project Award at Data Science Con, 2024
- Hackathon Winner at Adolph Sorgatz GmbH & Co. KG Challenge, 2023

## **LANGUAGES**

Spanish (Intermediate), Tamil (Fluent), English (Proficient)