

Lakshmi Iyer

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SUMMARY

Mid-Level Research Scientist (6+ years) with expertise in Embedded Systems, Feature Engineering. Proven ability to deploy complex software systems. Seeking a challenging role leveraging skills in Hugging Face Transformers.

WORK EXPERIENCE

AI Researcher | DataWeave Solutions

Jun 2023 - Present | Remote (India)

- Collaborated on Computer Vision using Apache Spark, enhancing latency by 36%.
- Deployed Scikit-learn using Python, deployed successfully to production environment.
- Researched Reinforcement Learning using Redis, deployed successfully to production environment.

Lead NLP Engineer | LogicFlow Tech

Mar 2019 - Jun 2023 | Remote (India)

- Collaborated on LLMs using JavaScript, resulting in 42% improvement in user engagement.
- Implemented NLP using SQL, resulting in 38% improvement in accuracy.
- Analyzed Dask using Snowflake, enhancing efficiency by 18%.
- Deployed Time Series Analysis using AWS, contributing to project success.

PROJECTS

Demand Forecasting System | Tech: AWS, GCP, Keras

- Designed incubate one-to-one interfaces demonstrating feasibility.

Demand Forecasting System | Tech: Kubeflow, STM32 CubeMX, Statsmodels, MATLAB

- Designed productize revolutionary deliverables handling Z data points.

Image Classification System | Tech: LightGBM, Looker

- Developed harness value-added functionalities handling Z data points.
- Achieved transition robust action-items improving X by Y%.
- Achieved target wireless communities improving X by Y%.

EDUCATION

B.Sc, Statistics

Stanford | South Lydiamouth, Barbados

Graduation: 2015 - 2019 | 3.18/4.0 GPA

TECHNICAL SKILLS

Languages: Java, MATLAB, C++

Technologies/Frameworks: TensorFlow, PyTorch, Keras, PySpark, Dask, Apache Spark, Pandas, Scikit-learn, spaCy, Polars, Dask, NLTK, SciPy, XGBoost, Hugging Face Transformers

Tools/Platforms: Apache Spark, GitHub Actions, Docker, Azure, Looker

Concepts/Domains: Generative AI, Causal Inference, Automation, Embedded Systems, NLP, Feature Engineering, XAI, Computer Vision

CERTIFICATIONS

- Coursera - Python for Everybody (2023)
- AWS - Python for Everybody (2023)
- Coursera - Python for Everybody (2023)

ACCOMPLISHMENTS / AWARDS

- Scholarship Recipient at Hnos Cadenas S.L. Challenge, 2020
- Dean's List at Fuentes-Collier Challenge, 2024
- Innovation Challenge Winner at Suministros Ibérica S.A. Challenge, 2021
- Coding Competition Top 3 at Gumprich GmbH & Co. KG Challenge, 2020

LANGUAGES

Bengali (Native), German (Native), English (Native)