

# LAKSHMI SOUNDARYA CHAKKA

[lakshmisoundaryac@gmail.com](mailto:lakshmisoundaryac@gmail.com) | +44 7360482369 | [LinkedIn Profile](#) | [GitHub](#) | [Kaggle](#)

## Summary

Pioneered proficiency in Python, R, SQL. Enthusiastic and data-driven MSc in Computer Science candidate with a proven track record in leveraging technology to unearth meaningful insights from complex data sets. With a Bachelor's degree in Information Technology and hands-on experience in machine learning, statistical analysis, and agile software development. I bring a robust foundation in data analytics and a proactive approach to problem-solving. Positioned for a hybrid work environment, proficiently articulated how my skills pioneered program goals.

## Educational Background

**Master's Degree (STEM)** - MSc – Computer Science, University of East London, UK

Sept 2024

**Bachelor's Degree** - Information Technology, VR Siddhartha Engineering College, India.

July 2021

## Skills & Certifications

**Programming Languages:** Python, R, Java (Basics)

**Data Analysis and Visualization:** Power Bi, Excel, Tableau

**Cloud Platforms:** AWS

**Databases:** SQL

**Certificates:** Cognizant Agile Methodology, [PwC Switzerland Power BI Job Simulation on Forage](#), [Data and Business Analytics Master Training](#)

## Professional Experience

**Junior Software Engineer Intern, YVR Technologies**

**October 2023 – Present**

- Spearheaded the design and development of innovative software solutions, enhancing product functionality and user experience, resulting in increase in customer satisfaction.
- Executed implementation of complex functionalities based on technical specifications, contributing to a 25% reduction in product development cycle time.
- Conducted rigorous code reviews, ensuring adherence to coding standards and best practices, leading to improvement in code quality and a decrease in post-release bugs.
- Collaborated seamlessly with cross-functional teams, fostering a cooperative work environment and facilitating the successful delivery of projects ahead of schedule, achieving a increase in project efficiency.
- Identified and resolved technical issues, minimizing system downtime and improving overall software reliability, resulting in a 15% reduction in customer complaints.

**Assistant System Engineer, Tata Consultancy Services**

**July 2021 – July 2022**

- Documented business processes, pinpointing and aligning requirements while identifying system needs.
- Collaborated across teams to configure actions within the Pega real-time marketing platform, ensuring client expectations were met.
- Conducted rigorous testing to guarantee actions performed optimally, were stable, and met business rules.
- Supported deployment processes, ensuring smooth production and efficiency during action rollouts.
- Actively engaged in team efforts, contributing to process enhancements, optimizing actions, and improving customer experience.

**Data Science Intern, Exposys Data Labs, India**

**June 2020 - July 2020**

- Applied advanced statistical methods and machine learning, boosting marketing campaign effectiveness through precise customer segmentation.
- Engineered personalized recommendation models, elevating customer satisfaction and improving segmentation precision.
- Led data pre-processing initiatives, achieving a 30% enhancement in model performance and optimizing predictive accuracy through rigorous cross-validation.
- Delivered compelling presentations with actionable insights, influencing a 15% improvement in conversion rates and earning praise from internal teams and clients.

**Machine Learning Intern, Indian Servers - Software Development Company, India**

**April 2020 - July 2020**

- Implemented Python programming techniques to optimize machine learning algorithms, elevating model

accuracy within the business domain.

- Led data processing efforts in the application stage, achieving a 15% reduction in false positives through meticulous feature extraction and advanced model training using NumPy and scikit-learn.
- Applied PyTorch for neural networks in computer vision during the business information stage, incorporating OpenCV for image enhancement and executing ResNet transfer learning for heightened accuracy in plant disease detection.
- Fostered seamless collaboration within teams during financial services projects, delivering impactful insights and technical explanations, resulting in an impressive 30% improvement in overall team efficiency.

## Academic Projects

---

**Pneumonia Detection:** TensorFlow, Keras, Sklearn, Deep Learning Models, Transfer Learning, Predictions, Matplotlib

**Speech Emotion Recognition:** NumPy, Pandas, Matplotlib, LSTM

**HR Data Analytics:** Power BI, Story Telling, Reports and Dashboard Creation, Documentation, Data Analysis.