

# ARYA B

## MSc Data Science Student

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LinkedIn

Kaggle

Github



## SUMMARY

Enthusiastic and skilled Postgraduate student in Data Science with a track record of independently executing diverse analytics tasks with precision and efficiency. Thrives in cross-functional collaborations, effectively communicating technical concepts and providing impactful insights. Have acquired expertise in Deep Learning, including CNN, RNN, and data science. Proficient in Python, SQL, and statistical modeling. Eager to contribute to a company's mission, leveraging a strong commitment to quality results and problem-solving skills within an entry-level Data Analyst or Data Scientist position.

## EDUCATION

### M.Sc. Data Science

University Of Kerala

08/2022 07/2024

### B.Sc. Mathematics

Mar Ivanios College

07/2019 05/2022

## EXPERIENCE

### Data Science Project Intern

POSTULATE INSTITUTE OF RESEARCH AND TECHNOLOGY

06/2023 08/2023

Contributed to cross-functional teams, providing impactful, data-driven insights. Led data collection and streamlined preprocessing pipelines using Python. Developed speech-to-text models for accurate audio transcription, utilizing Keras and TensorFlow. Acquired proficiency in Deep Learning, with expertise in CNN, RNN, and Data Science.

### Data Science and Business Analytics Intern

THE SPARKS FOUNDATION

09/2023 10/2023

Accomplished data science tasks independently, ensuring precision and efficiency through the adept use of analysis tools.

### Data Analytics Intern

ALFIDO TECH

09/2023 10/2023

Independently executing diverse data analytics tasks, ensuring precision and efficiency through adept use of analytical tools.

### Data Science Intern

OASIS INFOBYTE

09/2023 10/2023

Independently executed and completed assigned data science tasks with precision and efficiency. Utilized data analysis tools and methodologies to achieve project objectives. Demonstrated strong self-reliance, problem-solving skills, and commitment to quality results.

## STRENGTHS



### Soft Skills

Problem-solving, Critical Thinking, Communication, Team Work, Time Management, Collaboration, Curiosity, Attention to Detail, Resilience, Adaptability



### Technical Skills

Python, SQL, R Programming, Statistical Modelling, Machine Learning, Deep Learning, Data Visualization, Data Preprocessing and data cleaning, Data Analysis, Tableau, Google Cloud Platform

## CERTIFICATIONS

### Google Cloud career readiness

Cloud Digital Leader track (Certification by Google skills boost)

### Enterprise Design Thinking Practitioner

Badge issued by IBM

### Python for everybody

Course provided by University of Michigan through Coursera

### Data Data Everywhere

Google data analytics course

### Machine Learning through Python

Certification by ICFOSS

### Diploma in Computer Applications

Certification by IHRD Kerala

## ACHIEVEMENTS

Kaggle | Kaggle Notebook Expert

## PROJECTS



### Transcribot

#### Python, Deep Learning

- Developed cutting-edge Automatic Speech Recognition ASR system using deep learning techniques.
- Collected and curated diverse audio datasets with corresponding transcriptions in multiple languages and domains.
- Implemented data preprocessing techniques, including noise reduction, audio segmentation, and text normalization, to enhance model data quality.
- Designed and experimented with various neural network architectures, such as Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), and Transformer models, optimizing ASR model performance.



### Analyzing Spotify and YouTube Songs

#### Python, Mysql

- Leveraged Python and MySQL for comprehensive analysis
- Focused on Spotify and YouTube songs
- Explored intricate realms of music data
- Systematically unravelled patterns and correlations
- Cross-platform insights and comparisons were a key focus



### Pharmaceutical Sales Forecasting Using ARIMA, Auto-ARIMA and LSTM

#### Python, Time Series Analysis

- Researched and implemented sales forecasting methods for pharmaceuticals.
- Utilized ARIMA and Auto-ARIMA for short-term predictions.
- Employed LSTM neural networks for long-term forecasts.
- Developed a Streamlit-based website for visualizing sales trends.
- Enhanced strategic decision-making in the pharmaceutical industry.



### Mathematics of Cryptography

#### Mathematics, Research, Cryptography

- The intent of the paper was to discuss how mathematics play a significant role in developing various techniques of cryptography.

## WORKSHOPS AND EVENTS

### Computational Intelligence and Language Technology

Attended FOSS-CIL T23, the International Conference on FOSS Approaches towards Computational Intelligence and Language Technology, organized by International Centre for Free and Open Source Software (ICFOSS) in association with Kerala Startup Mission and Kerala Development and Innovation Strategic Council.

### Data Science and Applications

Attended a three-day National workshop on Data Science and Applications, conducted by the Department of Futures Studies, University Of Kerala.

### Machine Learning through Python

Participated in the 3-Day Residential Camp in Machine Learning through Python, organized and conducted by International Centre for Free and Open Source Software(ICFOSS), as part of the Gender and Technology programme.

### Participated in AWS Summit India 2023