AADITYAHARAN GANESH

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EDUCATION

Bachelor of Technology, Data Science

NMIMS University, Mukesh Patel School of Technology Management and Engineering

📅 07/2017 - 07/2021   📍 Mumbai, India

- Courses completed: Computer Programming (C++ and **Python**), Statistics, **Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Cloud Computing**, Blockchain.
- Participated in **hash code,** a coding competition organised by Google.

PROFESSIONAL EXPERIENCE

Data Science Intern

Reliance Industries Limited

📅 05/2020 - 11/2020   📍 Navi Mumbai, India

- Developed an algorithm to **automate** and **optimise** text data extraction from PDF files and scrutinise the data present in the extracted text with the data present in database using **OCR,SQL,Regular Expressions** and **Python.**
- Collected and extracted data using **PyMuPDF** from shipping documents of **more than 3 shipping lines** and made biweekly presentations regarding data extraction progress.
- Worked closely in collaboration with the software development and business intelligence teams and **proposed 2+ ideas** for improvement of data extraction as well as scrutiny process.
- Provided assistance to the Business Intelligence team for testing and automating data extraction from business cards using **OCR.**

Python Cloud Readiness Intern

Pentafox Technologies

📅 11/2019   📍 Bangalore, India

- Provided assistance to the software development team for database optimisation and end user testing and worked in a team of 3 with excellent team work.
- Gained an understanding of tools such as **AWS, Git, Postman** and **Flask**; and their significance in a data science project.

TECHNICAL SKILLS

| Python | R Studio | SQL | Excel | Amazon Web Services | Postman | Machine Learning |

| Deep Learning | Natural Language Processing | Computer Vision | Statistics | Regular Expressions |

PROJECTS

Lung Cancer diagnosis using PET-CT Scans

📅 04/2021

- Developed and implemented a ConvNet that diagnoses three types of lung cancer with **80%** confidence.
- Worked directly with the **DICOM file format** and **developed an optimal algorithm to** extract pixel values, preprocess the images and train the model,and tested the model locally.
- Built using **Python.**

San Francisco Crime Analysis

- Implemented the **K-Means Clustering** algorithm on the crime data available from the San Francisco Police Department to cluster crime data based on **location** and **crime type.**
- Visualised the clusters on a map of San Francisco using **Python**.

JEE Mains Performance Analysis

- Implemented a **Logistic Regression** model to determine whether a student will be successful in the JEE Mains examination based on certain factors.**Collected data** from students who gave the 2017 JEE Mains examination to ensure authenticity of data.
- Built using **R**.