

Keith Dsouza

Data Analyst

Analytical and solutions-driven professional with a computer science background and experience in analyzing large data sets and coming up with data-driven insights for early-stage technology companies. Worked in teams of 8-12 team members. Core skills include extrapolating data and providing actionable insights aligned with computer science, modeling and statistics.

WORK EXPERIENCE

Trainee RPA Developer

June 2018 – Present

Rentokil PCI, Mumbai, IN

- Implementing data extraction and pivots to summarize and analyze trends in data processing, leading redesigns of automation processes improving the success rate per transaction by 30%.
- Designed and developed projects which helped the company save 0.8 FTE per month.
- Effectively identified issues, reported them to stakeholders and implemented change requests in automated processes that improved efficiency of invoice processing by 20%.
- Developing processing strategies for the Solution Architect to train the team as it intends on adding Machine Learning functionalities in future automation processes.
- Provided a detailed summary on the automated processes that are live and projection of the savings that the RPA team can provide on the basis of quarterly data in the Company Town Hall.

Website Development Intern

November 2019 – January 2020

Amplisplot, Mumbai, IN

- Liaised with CEO/founder and UI designers, a digital marketing portfolio website for the company with optimized SEO.

EDUCATION

M.Sc. in AI and ML Ops

January 2022 – December 2024

NMIMS

Major in Deep Learning

- | | | |
|------------------------|----------------------|---------------------------------|
| • Statistical Modeling | • Design Thinking | • Regression and Classification |
| • Data Visualization | • Project Management | • Natural Language Processing |
| • Deep Learning | • Computer Vision | • Probability and Statistics |

Bachelor of Engineering

June 2021

University of Mumbai

CGPA - 6.46/10

Major in Information Technology

- | | | |
|----------------------|-------------------------------|-------------|
| • Python Development | • Machine Learning Algorithms | • DBMS, SQL |
| • R Development | • Exploratory Data Analysis | • Big Data |
| • Data Engineering | • Artificial Intelligence | • DevOps |

ACADEMIC PROJECTS

Real Estate Price Prediction

NMIMS, June 2022 (90/100)

In this project, we applied the concepts of EDA and Model fitting and tuning through PCA, Regularization and feature selection. We also created a data story on Tableau to present our findings.

Target Detection and Classification of Brain Tumor

SFIT, May 2021 (118/150)

In this project we applied concepts EDA and Model fitting and tuning for a Deep Learning model. This project was hosted live using Flask so that patients and doctors could access it and detect tumor and classify it as cancerous or not in a minute. Funding inquiries were made for further R&D of this project.

Youtube Analytics

SFIT, December 2022

This project aims to understand the dynamics of the top Youtube Music Videos and analyse the data extracted by using R programming language and it's inbuilt packages.

CONTACT

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SKILLS

Data Visualization/Engineering:

Tableau | Looker | Power BI | Data Studio

Techniques:

Hypothesis Testing | Recommendation Engines | Customer Segmentation Analysis | ETL - Extract, Transform, Load | Natural Language Processing | Computer Vision

Tools and Frameworks:

Python (Matplotlib, Seaborn, Keras, Scikit-learn) | R | Pyspark | Databases (MySQL) | Docker | Jenkins | MERN Stack | Java | C++ | Excel | MS Access | Git |

CERTIFICATIONS

Deep Learning Specialization

(Coursera - July 2020)

Blockchain Specialization

(Coursera - September 2020)

Python for Everybody Specialization

(Coursera - July 2020)

Google IT Support Specialization

(Coursera - August 2020)

OTHER PROJECTS

Pointer Analysis Tool

November 2018

Tool created for students in University of Mumbai to be able to create a goal in terms of GPA and help them understand what needs to be done to achieve the set goal.

ChatterSpace

May 2020

Social Media Application created using Android studio for students in my class.

A* Path Finder

May 2019

Visual Representation of the A* Algorithm in which the user enters the start and end points, then the user can create multiple barriers and the program will find the shortest path to between the points.

Sudoku Solver

May 2019

Sudoku matrix will be provided with timer for user to complete, if the user cannot complete before threshold or wishes to quit the program will solve the given problem.