

KEEGAN FERNANDES

DATA SCIENTIST

PROFILE

As a Data Scientist, I bring a strong analytical mindset and a deep passion for uncovering insights from complex data sets. I have a proven track record of using statistical modelling and machine learning algorithms to develop impactful solutions to business problems. My expertise in programming languages such as Python and R and my proficiency in data visualization tools like Tableau enable me to extract meaningful insights from vast and complex data sets. In addition to my technical skills, I possess excellent problem-solving abilities and strong business acumen. I always seek new and innovative ways to drive business value through data-driven insights.

WORK HISTORY

1. Data Science/Computer Vision Intern

Anatadi April 2023- June 2023

- Worked as a computer vision engineer at Anatadi, a company specialising in Product placements for non-interruptable videos.
- Developed computer vision algorithms to detect and classify objects, recognize patterns and perform image generation on large datasets.
- Leveraged expertise in deep learning frameworks such as TensorFlow, Keras, and PyTorch to develop and train computer vision models.
- Optimized computer vision models for speed, efficiency, and accuracy by applying techniques such as pruning, quantization, and model compression
- Worked collaboratively with cross-functional teams, including software engineers, data scientists, and product managers, to develop and deploy computer vision solutions

2. Department Ambassador

Christ University Ambassador Programme September 2022-January 2024

- Served as the department ambassador for the Department of Data Science at Christ University to promote awareness and engagement with data science initiatives
- Demonstrated strong organizational skills and an ability to manage multiple tasks and priorities effectively
- Leveraged excellent communication and interpersonal skills to establish relationships with internal and external stakeholders, including faculty, students, and industry partners
- Developed and executed strategies to increase participation and engagement with department events and programs, including workshops, seminars, and hackathons

PROJECTS

Quadratic Equation Solver



- Developed a project that uses computer vision techniques to solve quadratic equations by capturing an image of a handwritten equation and converting it into a mathematical expression that can be solved using Python code and Artificial Intelligence (AI)
- Utilized image preprocessing techniques, such as edge detection and thresholding, to extract the equation from the image and convert it into a format that a machine learning model can process.

Loan Data Prediction



- Developed a machine learning model that predicts credit risk using a variety of financial and demographic data points, such as credit history, income, and employment status
- Utilized techniques such as data cleaning, feature engineering, and model selection to optimize the model's performance, achieving high accuracy and precision in predicting credit risk.

Generating Popular Titles



- Leveraged GPT transformers, a state-of-the-art language model, to develop a project that generates Medium article titles that are optimized for search engine optimization (SEO) and can help to drive traffic to the article
- Applied natural language processing (NLP) techniques to fine-tune the GPT model on a large corpus of Medium articles, enabling the model to generate titles that are not only relevant to the topic of the article but also stylistically consistent with the Medium platform.

Object Detection Of Yoga Poses



- Developed a project that uses YOLOv5, a state-of-the-art object detection model, to detect and classify yoga poses in real-time, enabling users to receive feedback on their form and improve their practice
- Utilized transfer learning techniques to fine-tune the YOLOv5 model on a custom dataset of yoga pose images, achieving high accuracy in pose detection across a range of lighting and body types.

CONTACT

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[Portfolio Website](#)

Loutulim,Salcette, South Goa,Goa,India

[Medium BLog](#)

[Linedin Profile](#)

[Github](#)

SKILLS

Python	Neural Networks
Java	Data Analysis
Sql	Statistics
Data Analytics	Model Deployment
Data Modelling	Regression
Computer Vision	Data Structures
Pytorch	Nlp/Linguistics
Communication	

EDUCATION

M.sc. Data Science

Christ University

2022

- Developed expertise with Python, SQL, R, Java and Tableau tools.
- I completed my Data Analytics, Statistical Testing, and Predictive Modeling coursework.
- Demonstrated my skills with projects on Object detection, Text Generation, Image Classification and Sentiment Analysis.
- Gathered data, Trained and evaluated predictive Models and successfully deployed them to the cloud.

B.sc. Physics

Chowgule College - Goa Uni.

2019

- Developed a strong foundation in mathematics, including calculus, linear algebra, and probability theory, which are essential for data science.
- Developed problem-solving skills and an ability to approach complex problems in a systematic and analytical manner.
- Gained experience working with data and analyzing experimental results through laboratory work and research projects

CERTIFICATES AND ACHIEVMENTS

Google Data Analytics Professional Certificate

Google

Earned a Google Data Analytics Certificate, demonstrating proficiency in key data analysis tools and techniques

Data Science for Engineers

AIM

March 2022

was in the top 10 Finalist for 24 machine learning hackathon where we were tasked with building a model to predict the life expectancy of a certain country

Finalist Hackerverse 24 Hour Hackathon

AIM

November 2022

was in the top 10 Finalist for 24 machine learning hackathon where we were tasked with building a model to predict the life expectancy of a certain country

Was placed Third in AIM Data Science Hackathon

AIM

February 2023

Learned Data Modelling, Data Preprocessing, Model Evaluation for AIM data science hackathon to evaluate weather a customer would use a specified coupon or not.