KAMALAM SIVAKUMAR

DATA SCIENTIST

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About Me

- Master's graduate in Data Science with over two years of experience as a big4 consultant and a business analyst.
- Inquisitive Data Enthusiast working on solving challenging and interesting problems in the real world.
- I take ownership of my work and strive to deliver the highest quality solutions.

Skills

- Python
- Machine Learning
- Deep Learning
- Tensorflow
- keras
- pandas, numpy, scikit-learn
- SQL
- AWS
- C++
- Alteryx
- Git

Education

M.Sc Data Science (Integrated) | 2017 - 2022
First Class with Distinction, Grade: 8.53
PSG College of Technology, Coimbatore

Certifications

- AWS Solutions Architect Associate
- Alteryx Core Designer

Experience

Everstage, Chennai | Oct 2023 - Feb 2024
Business Analyst

- Developed a comprehensive understanding of customer data requirements
- Contributed to enable stakeholders with reports, for them to gather insights.
- Collaborated with the internal Revenue Operations (RevOps) team to support various tasks.

KPMG, Bengaluru | Jan 2022 - Aug 2023
Consultant

- Audit Analytics
  - Worked on understanding the requirements and built routines for The Audit Functional Team.
  - Employed data handling techniques and enabled the Client Audit Team to methodically process the data faster.
  - Automated audit processes, used Python and Alteryx extensively for the same.
- AWS Solutions
  - Using AWS Kinesis and Glue built a pipeline that processes streaming data from S3 onto Redshift Database schema.
  - Designed backend to consume and make use of stored data in business-specific applications.

HCL Technologies Ltd, Noida | Jul 2020 - Oct 2020
ERS Team Intern

- Designed Price comparison logic for Industrial Customers to manage their Inventory and update minimum prices effectively.
- Developed intricate backend logic for scraping and refining data sourced from competing websites.
- Continous learning and improvement of software development processes, also focused on learning best practices.

Projects

beat_check

A Deep Convolutional Neural Network that helps in classifying heartbeats from the given ECG images.
The model aims to classify the five types of non-life-threatening arrhythmias and enabling to diagnose them efficiently.

schedule_it

Task Scheduler developed using Reinforcement learning techniques such as Q-Learning and Double Q-Learning, using Python.
The tasks are scheduled based on the CPU and Memory resources available at a single point in time.

spectranet

Deep Learning and Clustering for Hyperspectral Image Classification. Aims to compare CNN and Clustering Algorithms.
While K-Means showed better separation compared to the Gaussian Mixture, both clustering algorithms demonstrated moderate performance relative to the CNN's accuracy.