KAMALAM SIVAKUMAR

+91-9585518718 | kamalamsivakumar@gmail.com
github-kamalamsivakumar | linkedin-kamalamsivakumar
Current Role: AI/ML Engineer

EDUCATION & CERTIFICATION

M.Sc Data Science (Integrated) | 2017 - 2022
PSG College of Technology, Coimbatore, India
Grade: 8.53/10
AWS Solutions Architect Associate

ABOUT

Holds a Master's degree in Data Science with over two and a half years of experience as a Big4 Consultant, Business Analyst, and AI/ML Engineer. An inquisitive data enthusiast with a passion for solving bespoke real-world problems, demonstrating strong ownership and accountability. Possesses a relentless learner's mindset and a never-give-up attitude.

PROFICIENT

Python	tensorflow, keras, pandas, numpy, scikit-learn	C++
Machine Learning	LangChain, Huggingface	SQL
Deep Learning	AWS & Azure	

NOVICE (CAPABLE & LEARNING)

django
streamlit
Git

PROFESSIONAL EXPERIENCE

Kryptos Technologies, Chennai **May 2024 - Present**
AI/ML Engineer

- Leveraging gen-ai to effectively handle admin tasks such as transcription and proposal writing.
- Aiding development and integration of gen-ai tools within Customer Solutions.

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, 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. Continuous learning and improvement of software development processes also focused on learning best practices.

PROJECTS

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

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.

clip_search
Developed an advanced image retrieval system leveraging CLIP (Contrastive Language-Image Pre-Training).
Constructed a vector store composed of image embeddings.
Implemented efficient search functionality that returns relevant images based on text queries.

heldig-selective (On-going project)
Developing a model to customize wallpaper selections in a random generator app by fine-tuning user preferences with ORPO. The project is ongoing, focused on boosting recommendation precision.
Future Work: Plan to explore model interpretability to assess ORPO's impact on preference alignment.